

**Chapter 1 : Horizontal distributions of monthly mean
quantities (I) : 12-year averages**

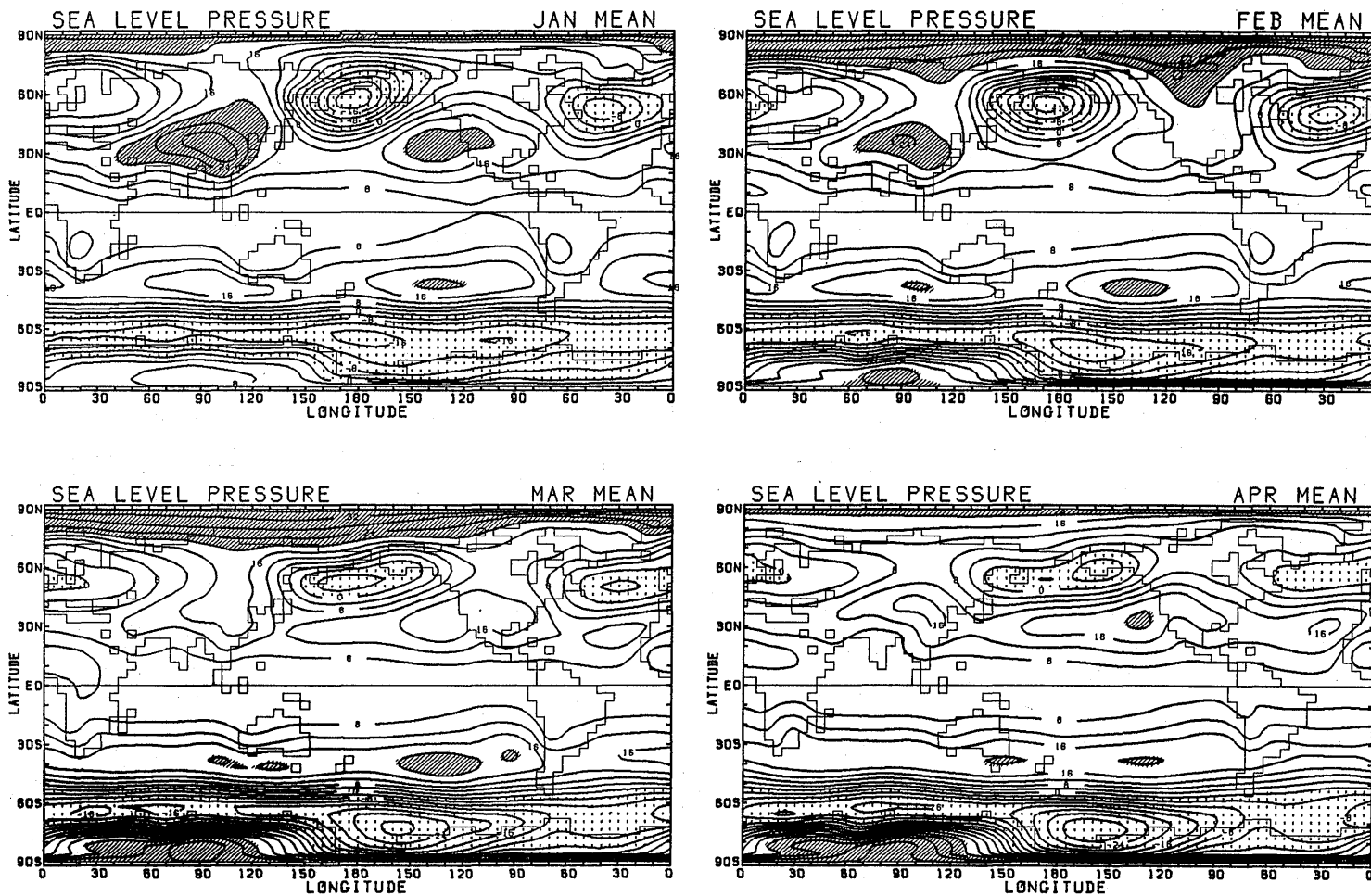


Fig. 1.1.1 Global distribution of monthly mean sea level pressure for January, February, March and April. Contour interval is 4 mb. Values greater than 1020 mb are shaded; those less than 1000 mb dotted.

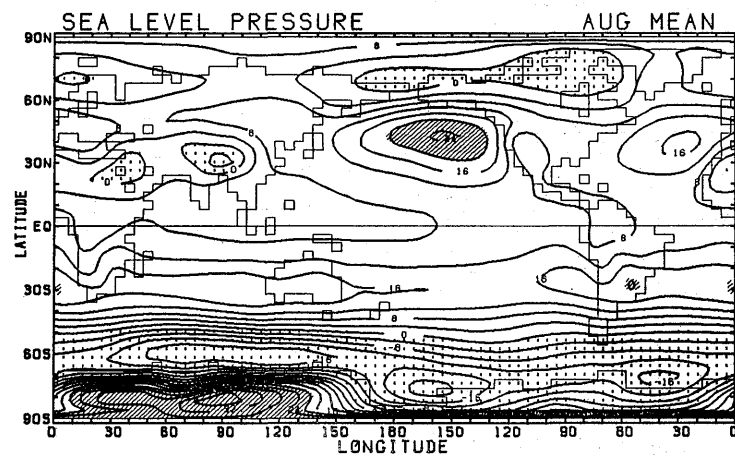
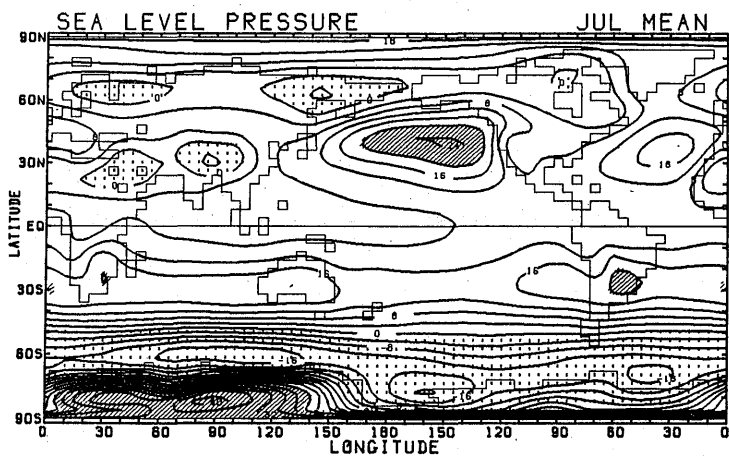
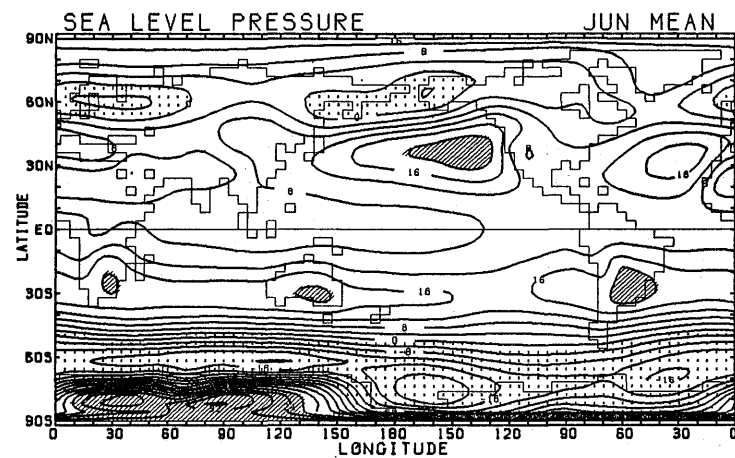
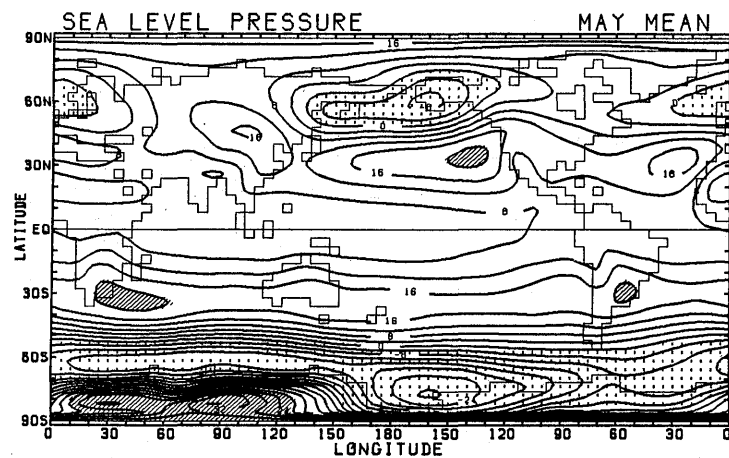


Fig. 1.1.2 Same as in Fig. 1.1.1 except for May, June, July and August.

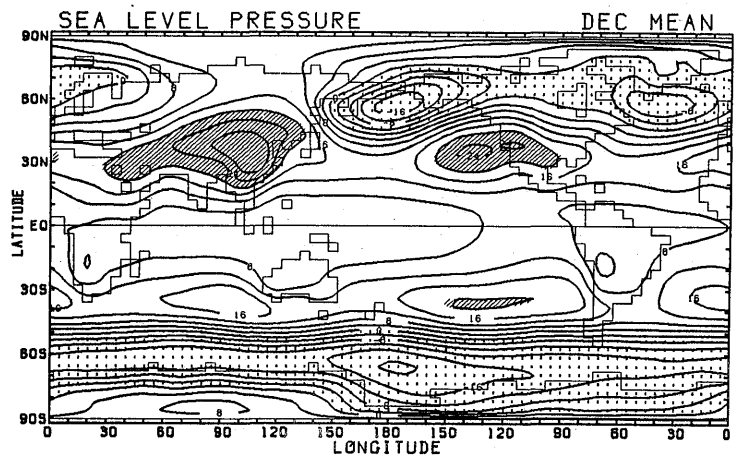
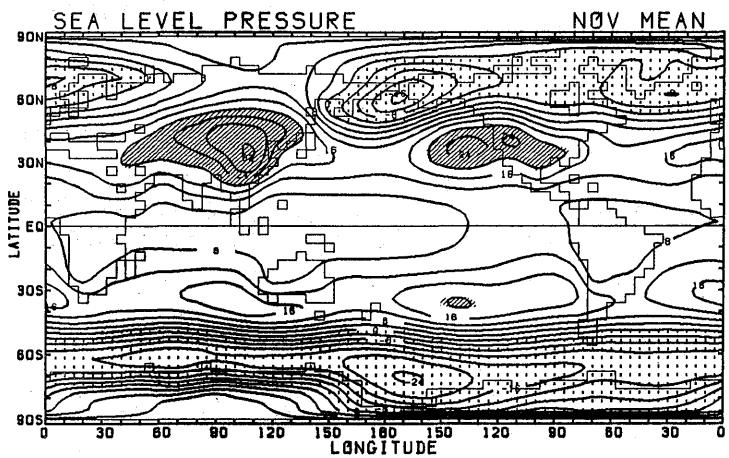
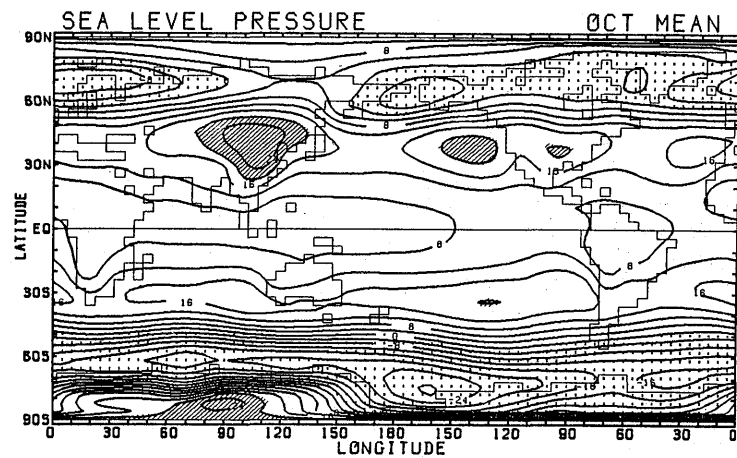
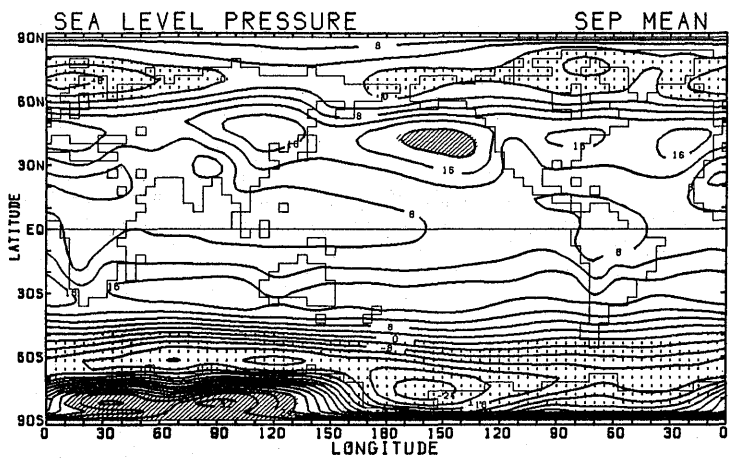


Fig. 1.1.3 Same as in Fig. 1.1.1 except for September, October, November and December.

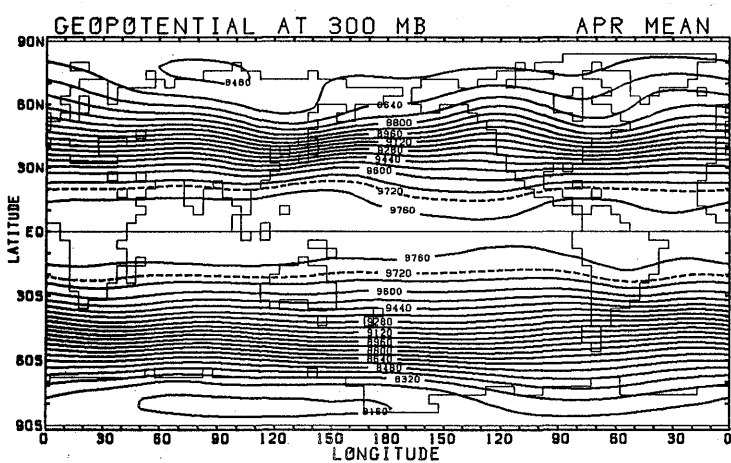


Fig. 1.2.1 Global distribution of monthly mean geopotential height at 300 mb for January, February, March and April. Contour interval is 80 g.p.m. Contours for 9720, 9780 and 9800 g.p.m. are also drawn by dashed lines where applicable.

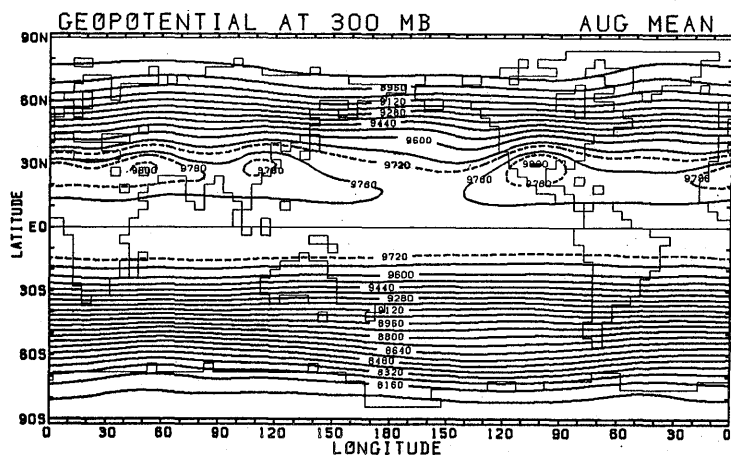
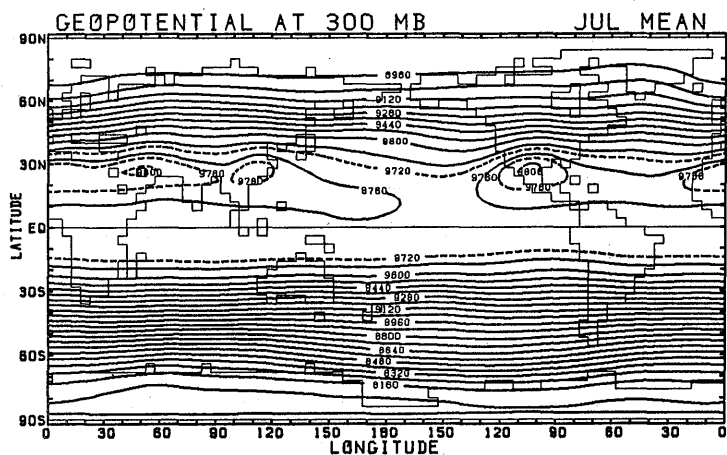
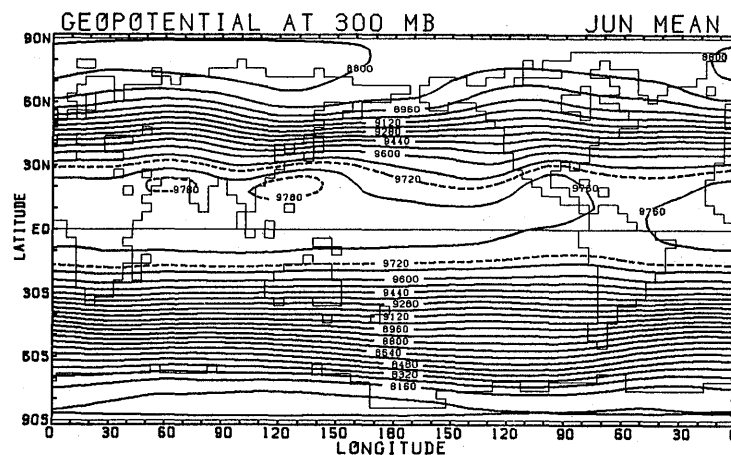
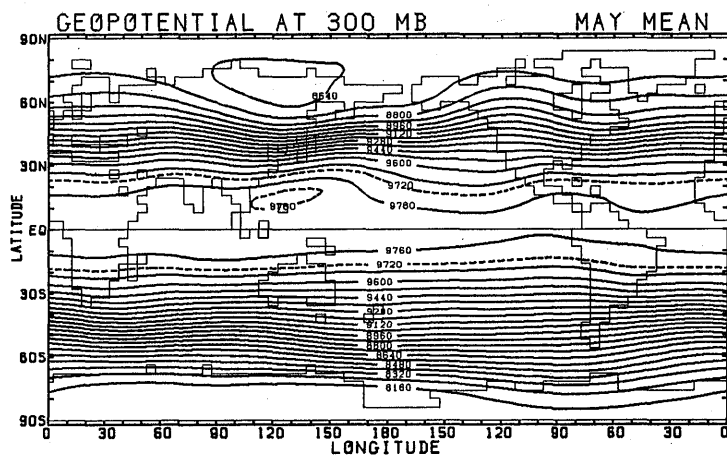
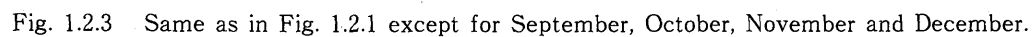


Fig. 1.2.2 Same as in Fig. 1.2.1 except for May, June, July and August.



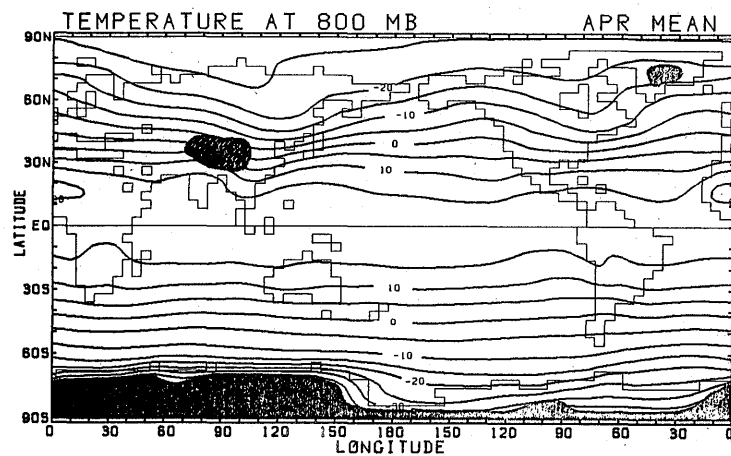
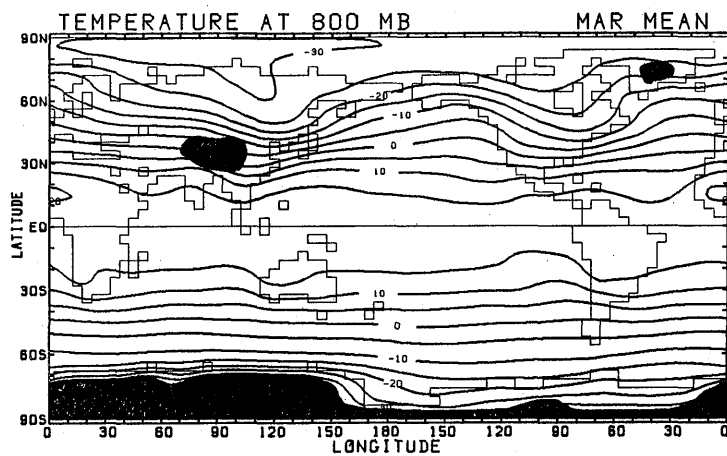
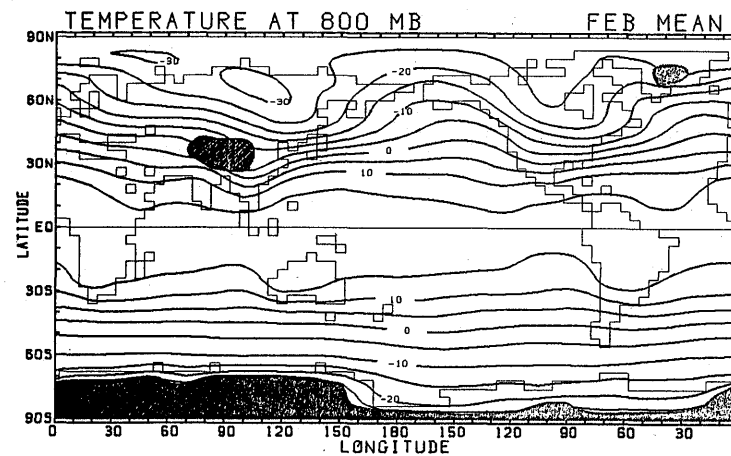
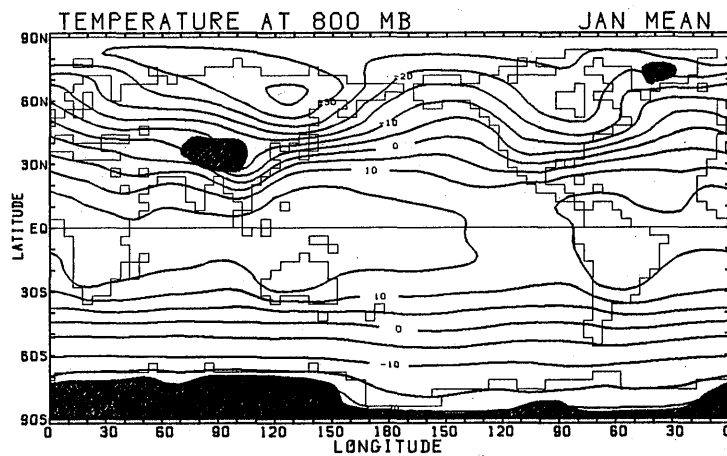


Fig. 1.3.1 Global distribution of monthly mean temperature at 800 mb for January, February, March and April. Contour interval is 5°C.

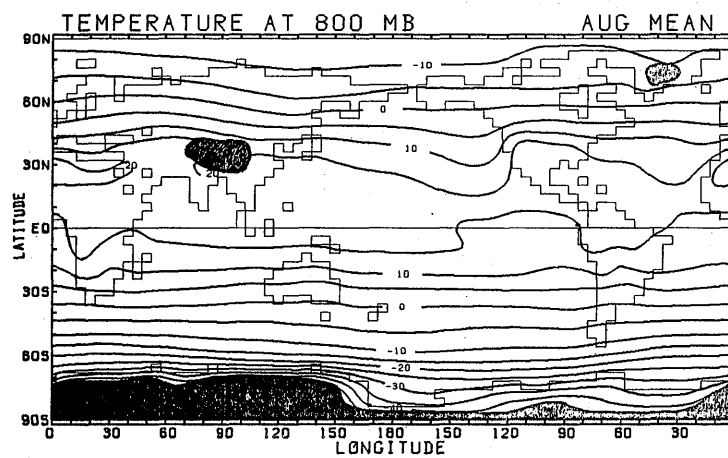
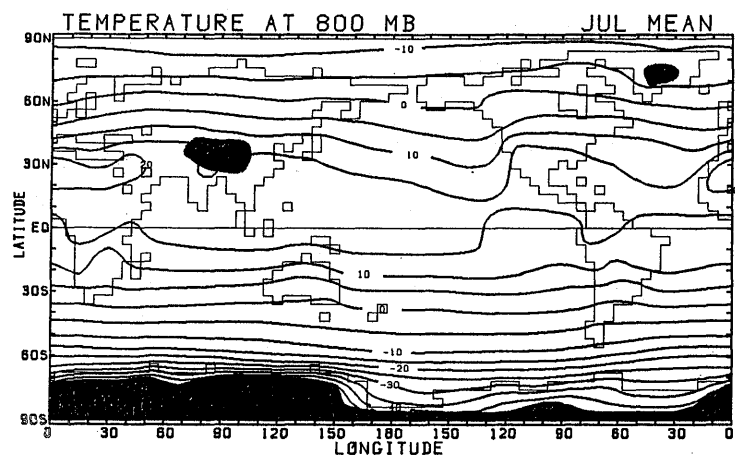
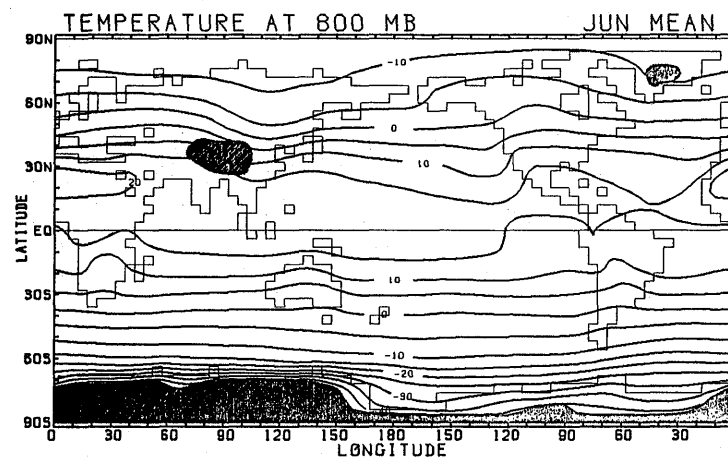
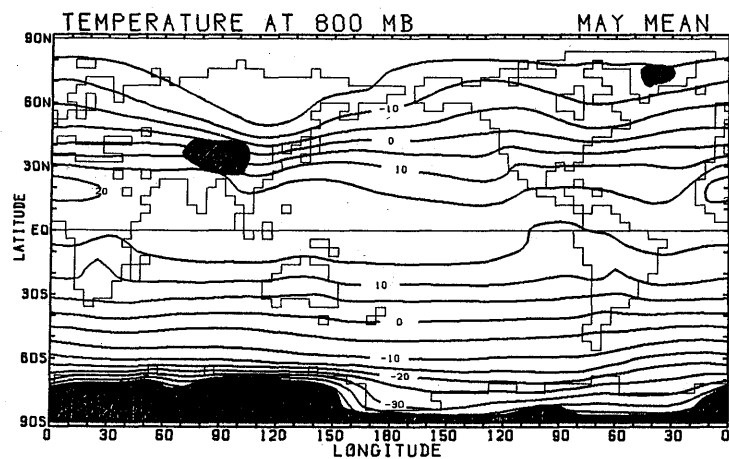


Fig. 1.3.2 Same as in Fig. 1.3.1 except for May, June, July and August.

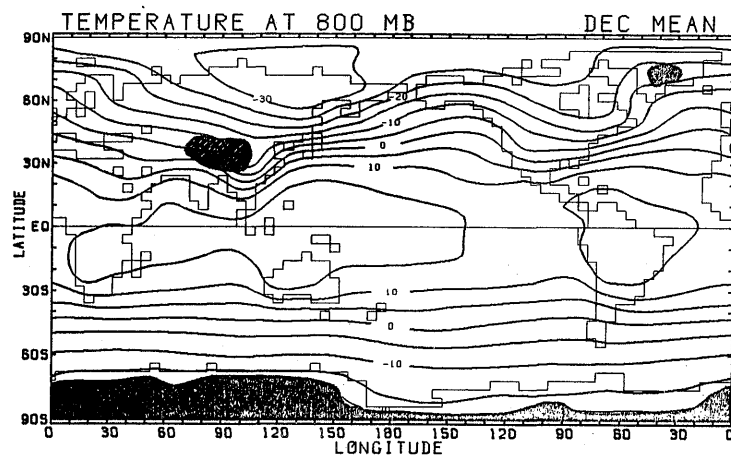
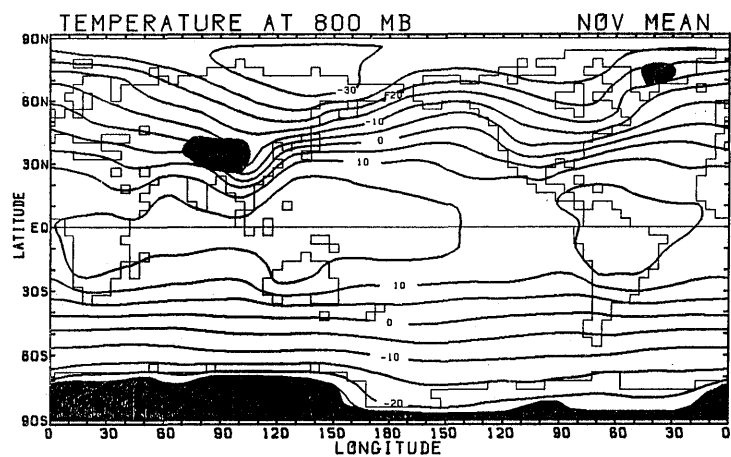
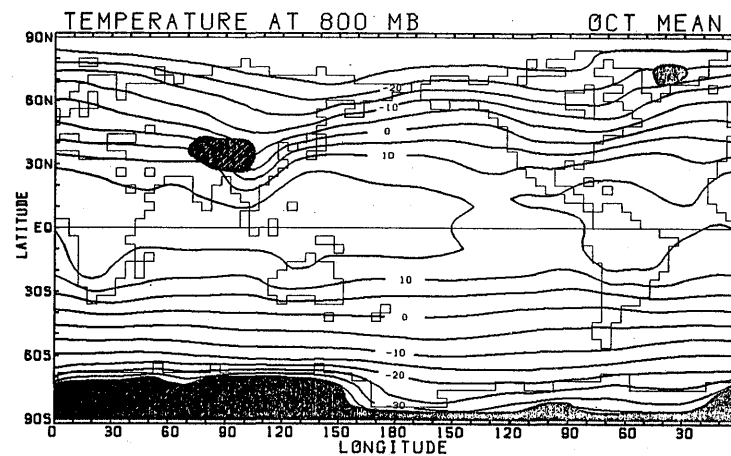
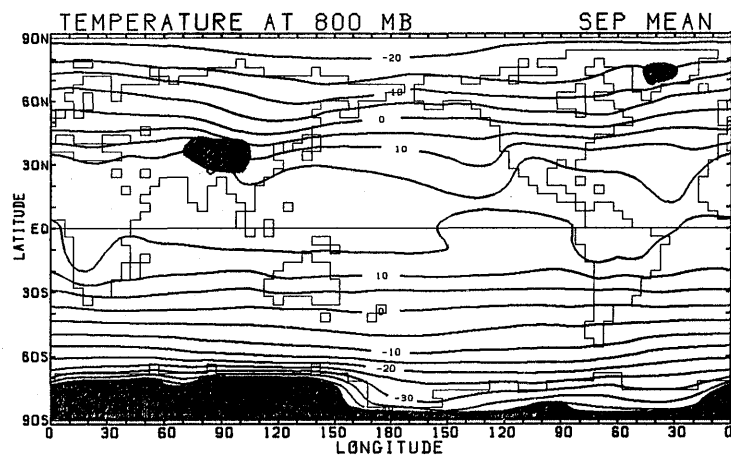


Fig. 1.3.3 Same as in Fig. 1.3.1 except for September, October, November and December.

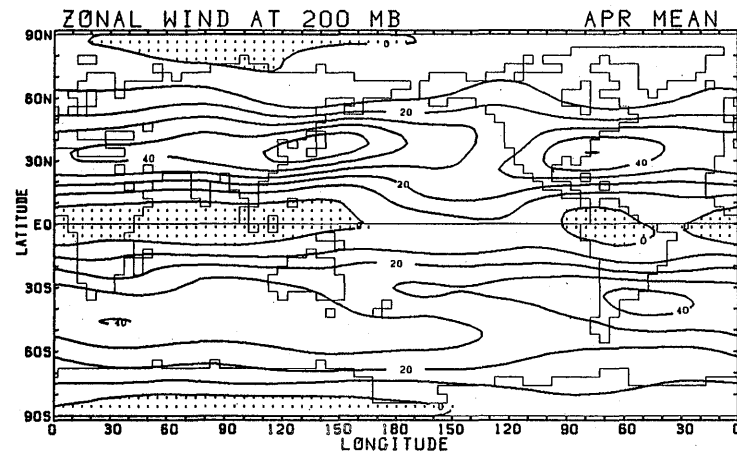
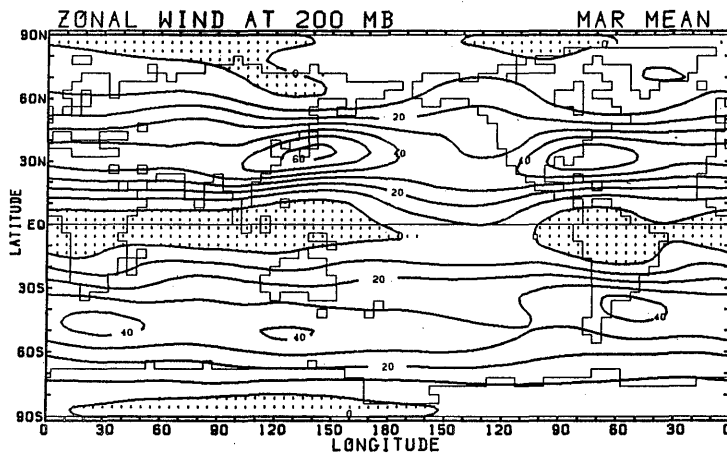
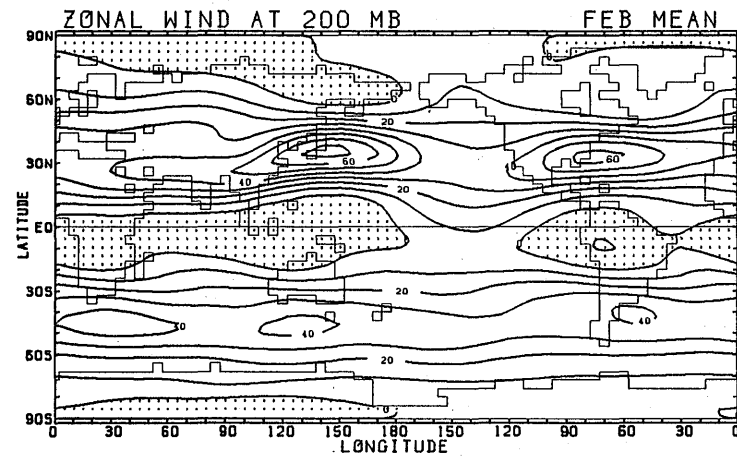
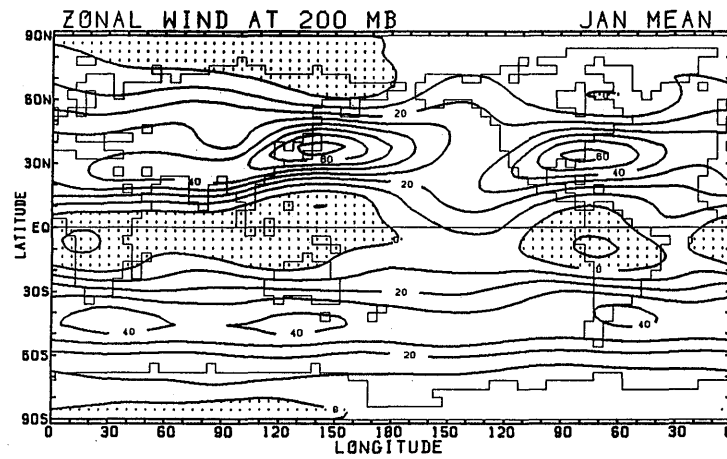


Fig. 1.4.1 Global distribution of monthly mean wind velocity of the zonal wind at 200 mb for January, February, March and April. Contour interval is 10 m sec^{-1} . Values less than 0 m sec^{-1} (easterlies) are dotted.

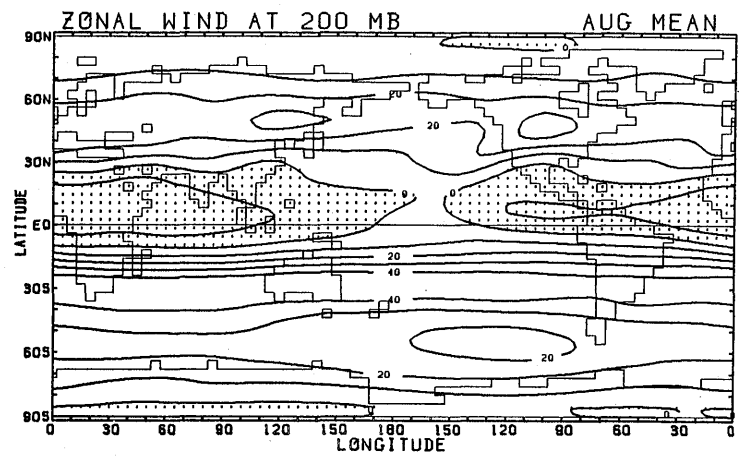
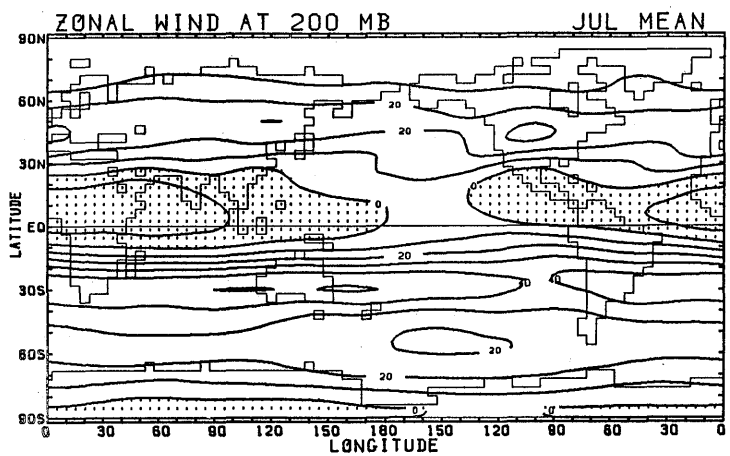
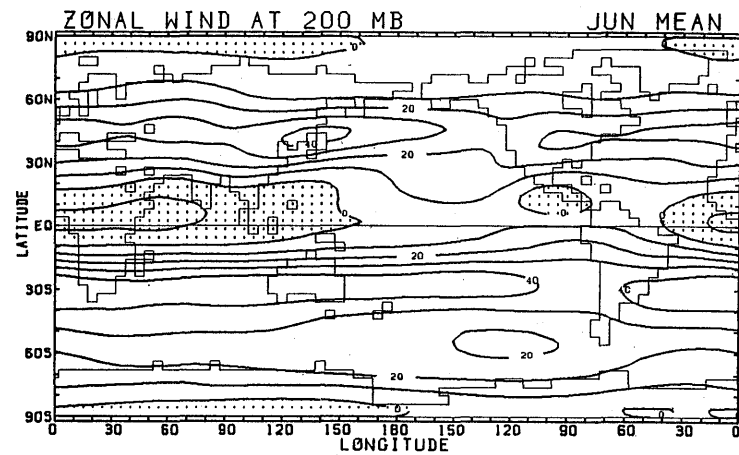
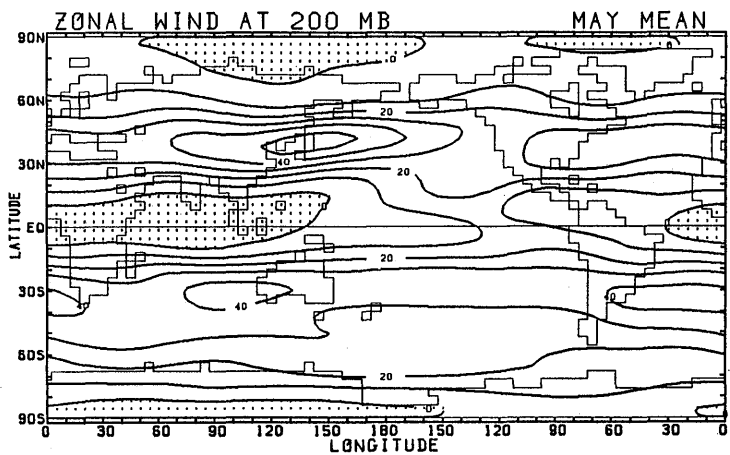


Fig. 1.4.2 Same as in Fig. 1.4.1 except for May, June, July and August.

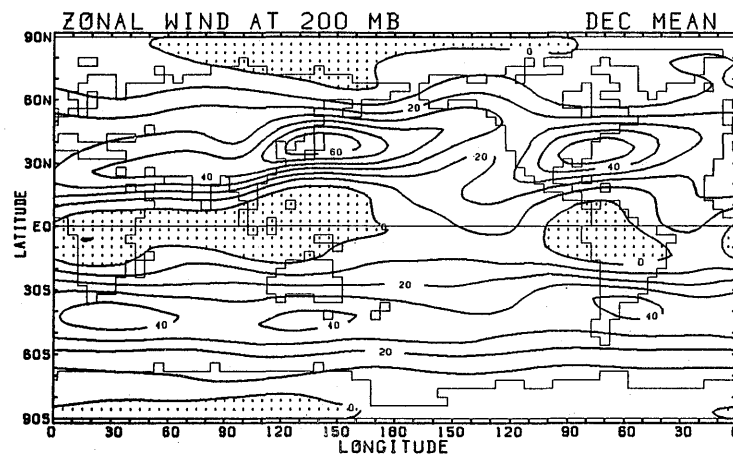
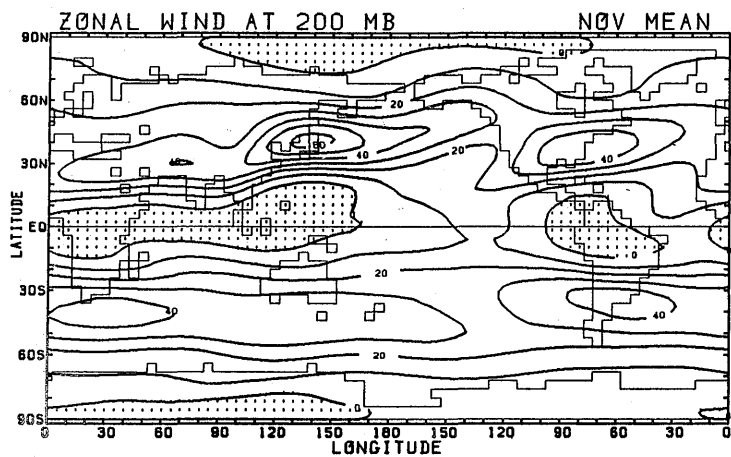
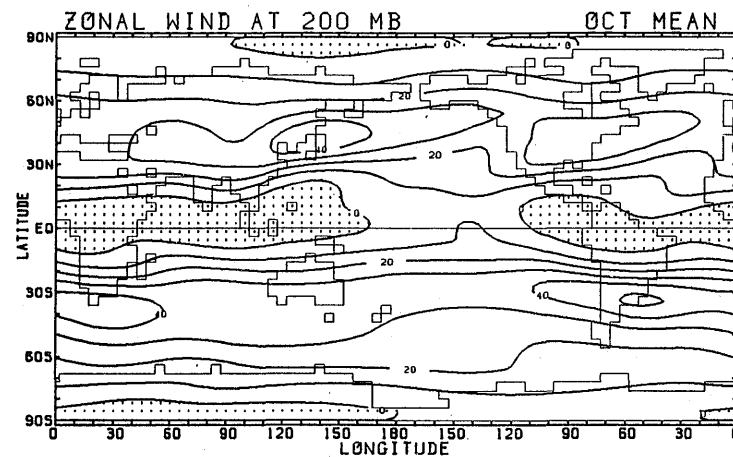
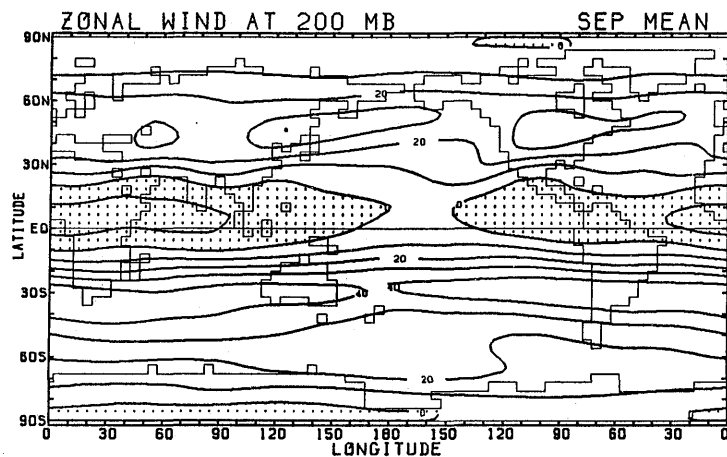


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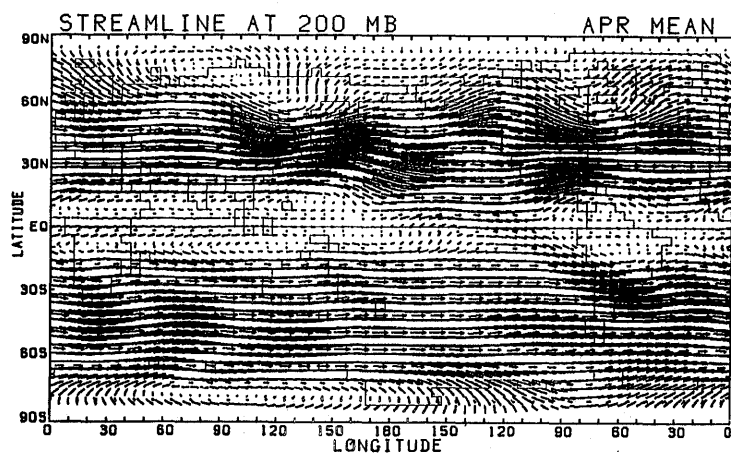
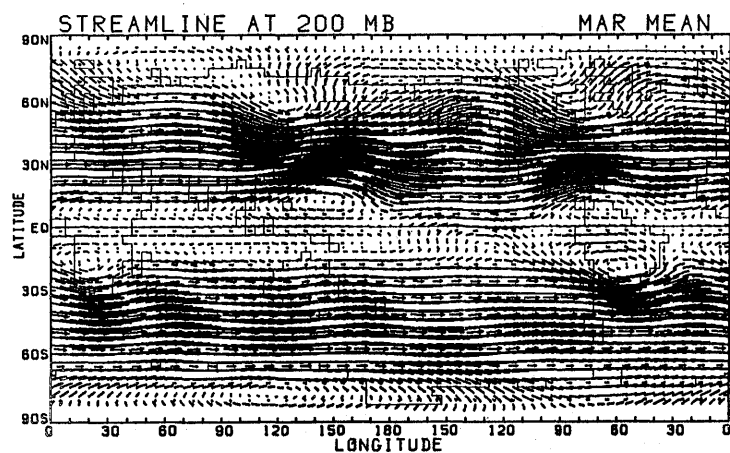
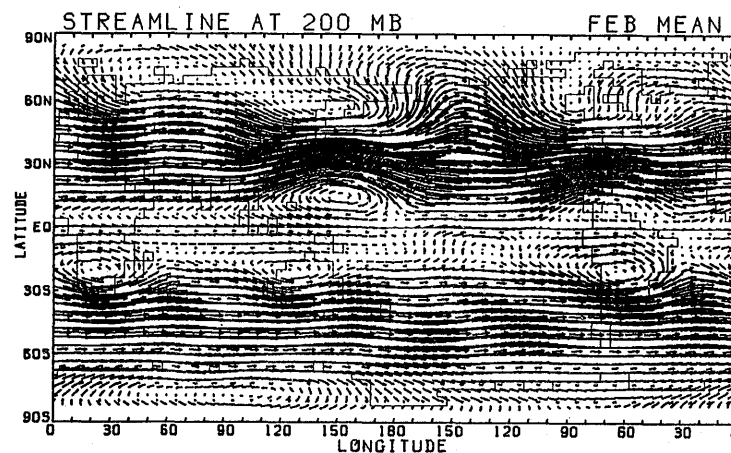
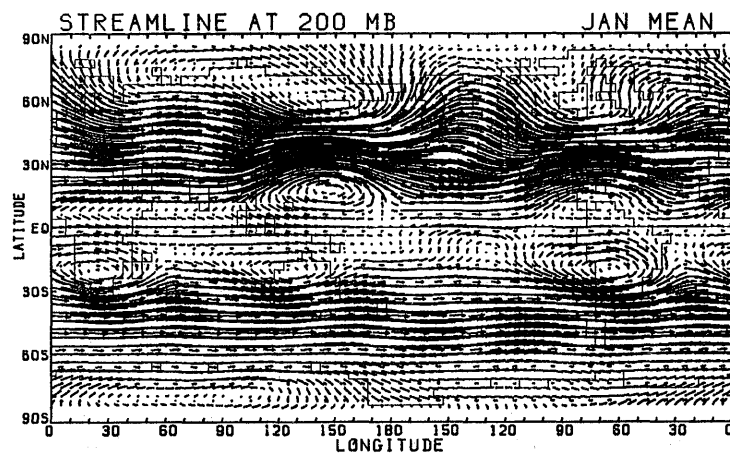


Fig. 1.5.1 Global distribution of monthly mean streamline at 200 mb for January, February, March and April.

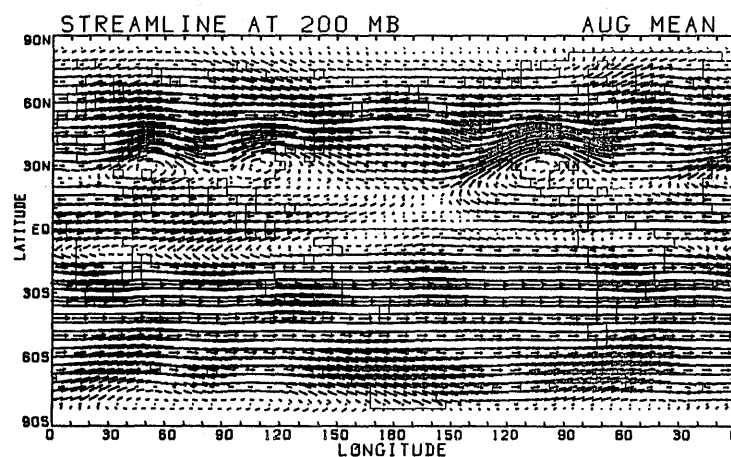
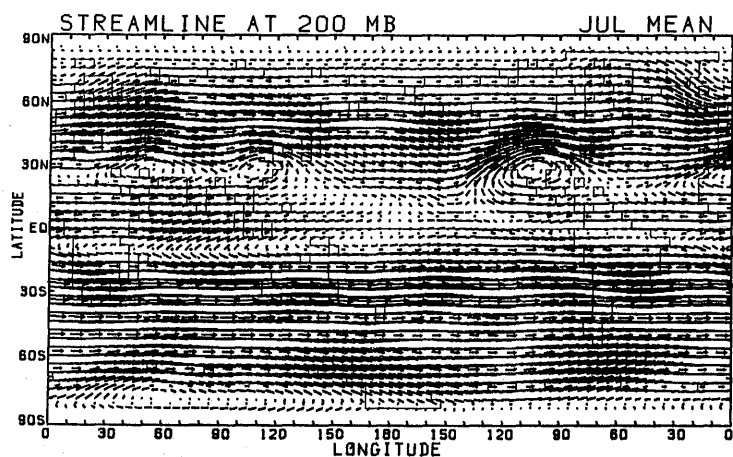
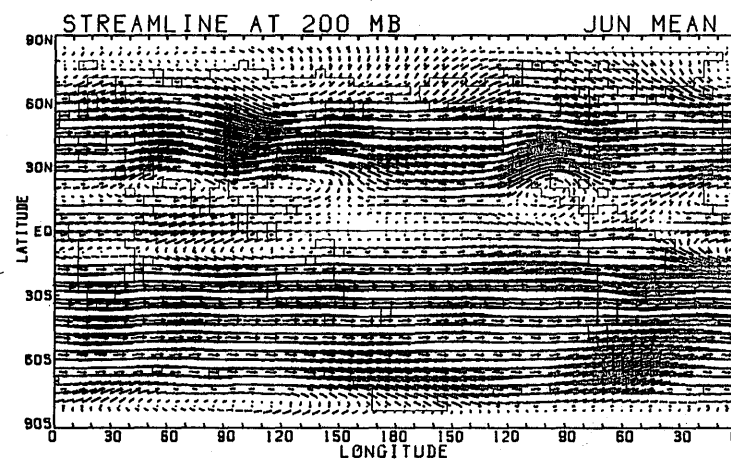
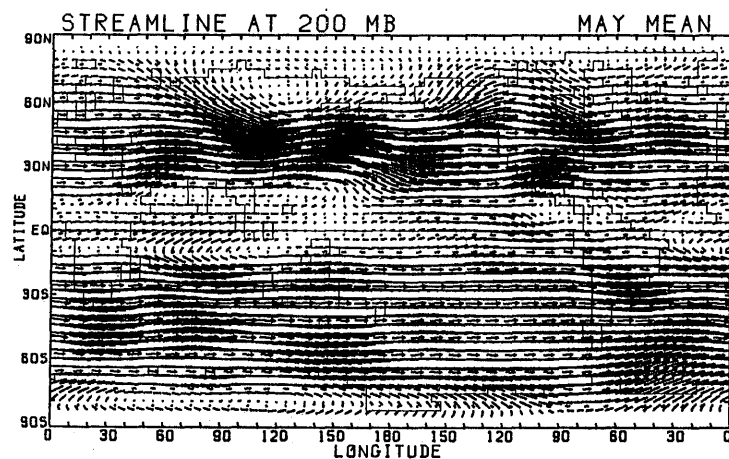


Fig. 1.5.2 Same as in Fig. 1.5.1 except for May, June, July and August.

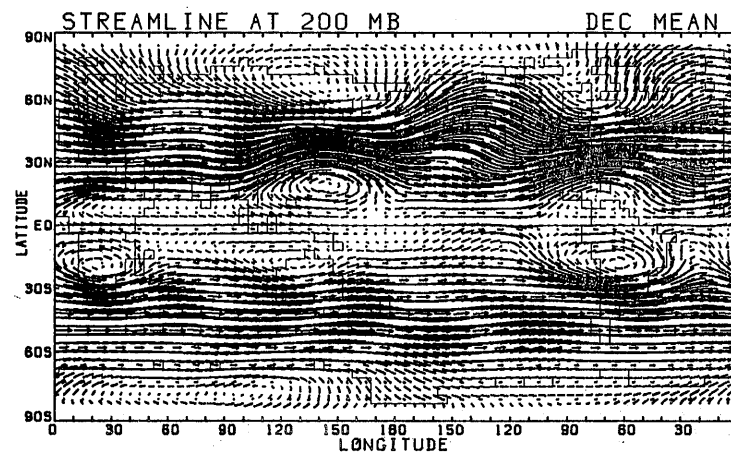
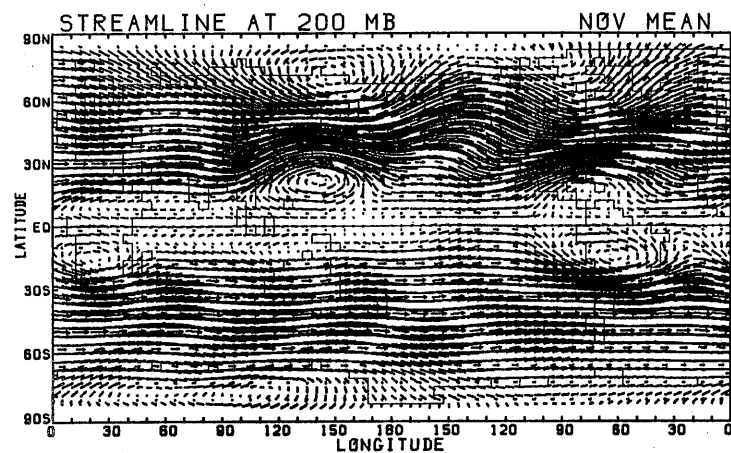
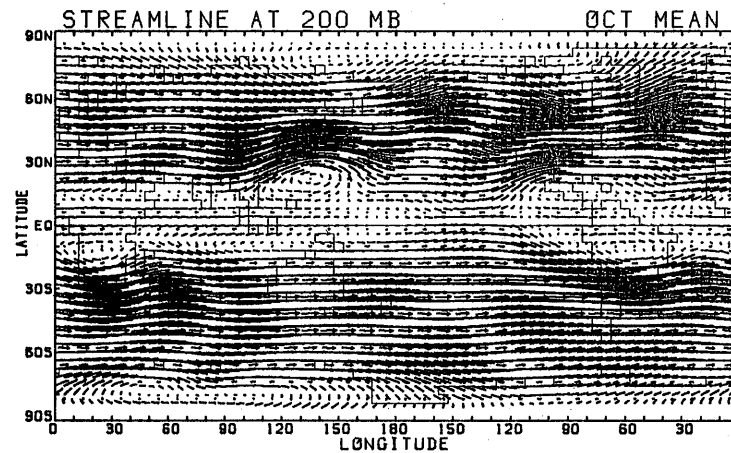
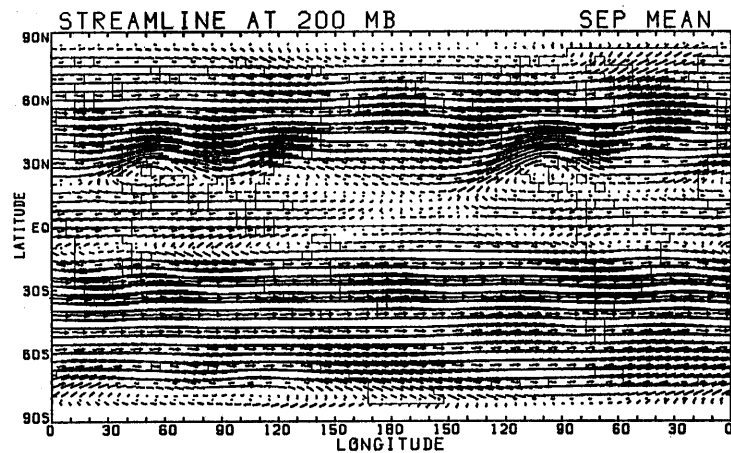


Fig. 1.5.3 Same as in Fig. 1.5.1 except for September, October, November and December.

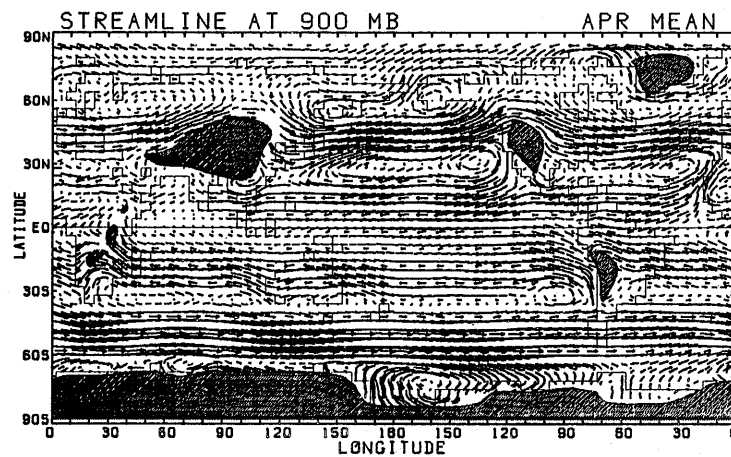
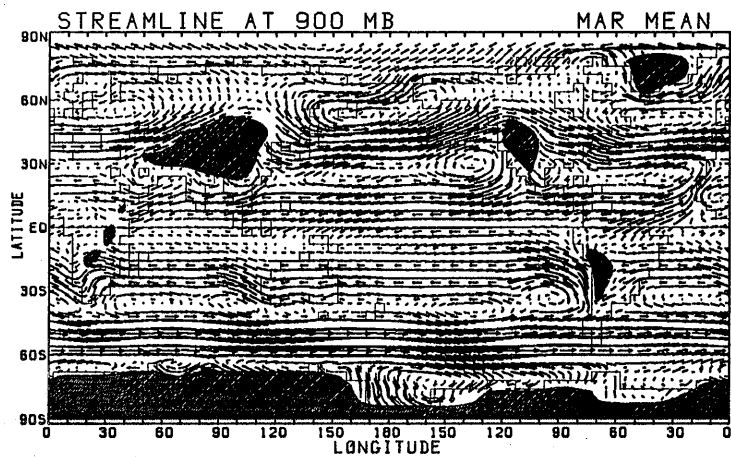
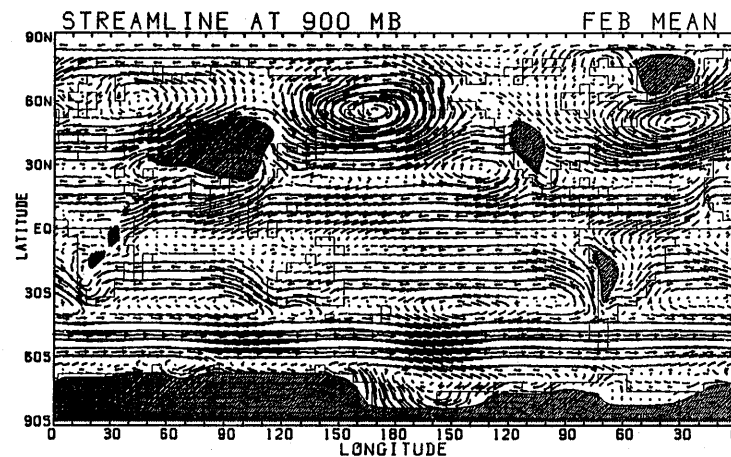
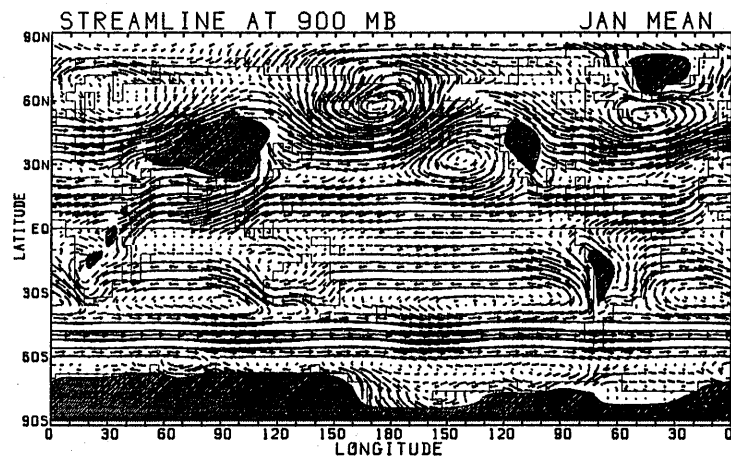


Fig. 1.6.1 Global distribution of monthly mean streamline at 900 mb for January, February, March and April.

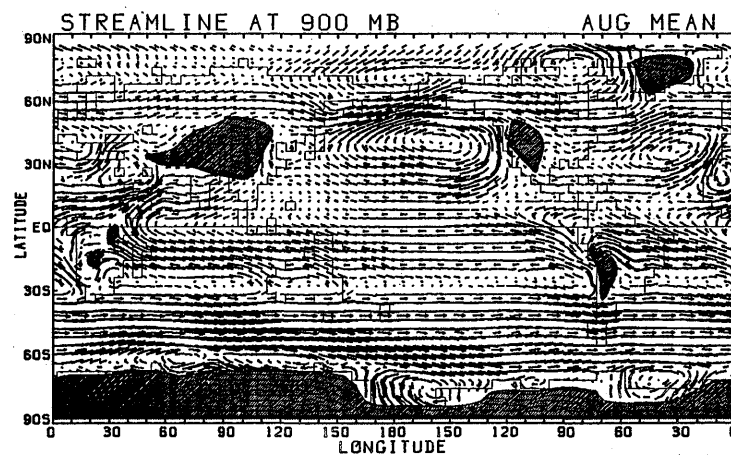
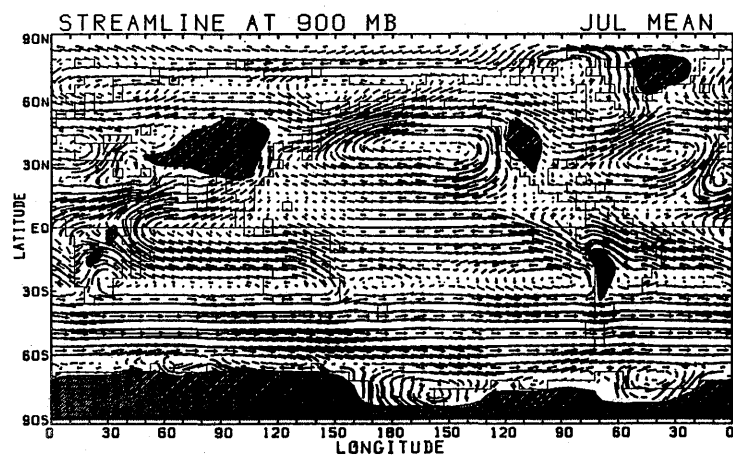
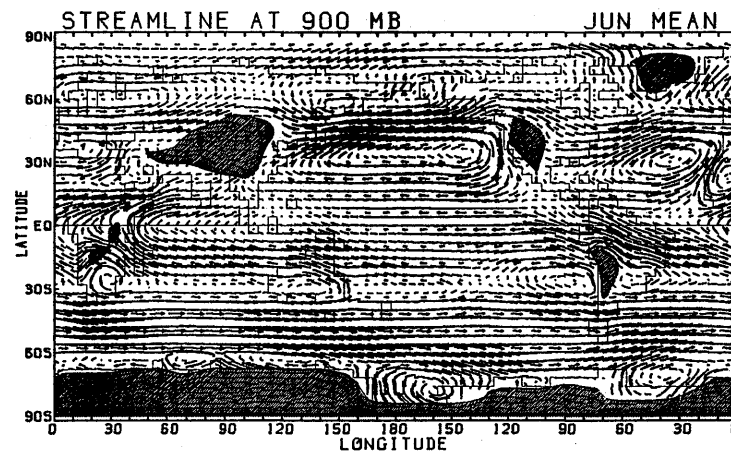
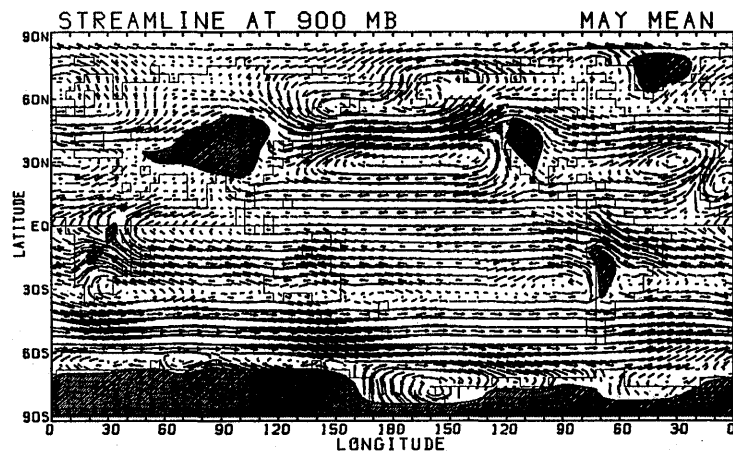


Fig. 1.6.2 Same as in Fig. 1.6.1 except for May, June, July and August.

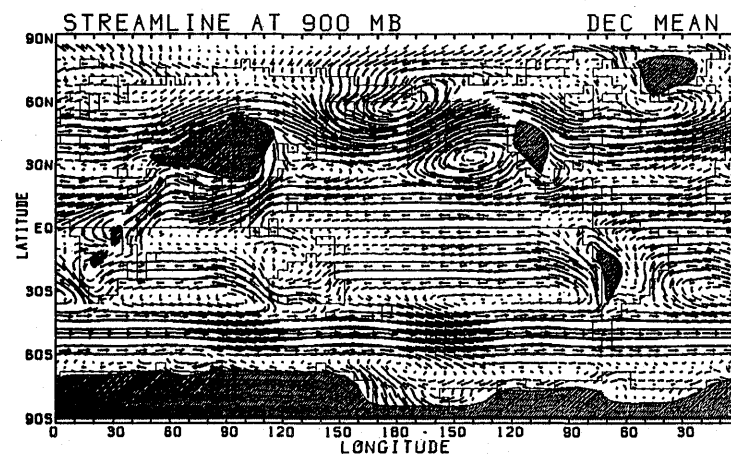
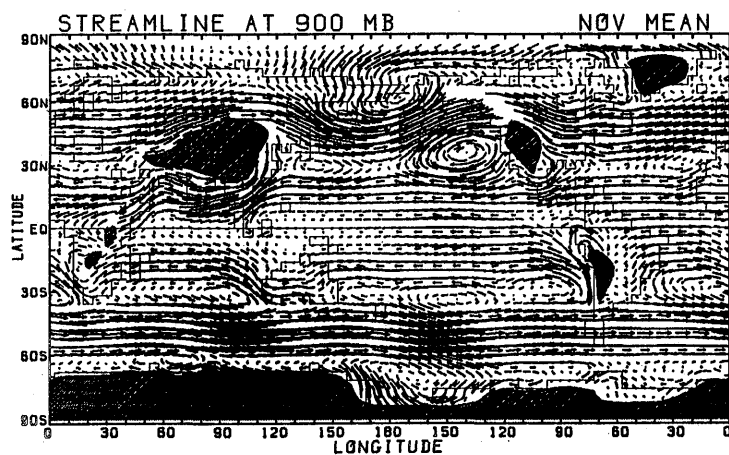
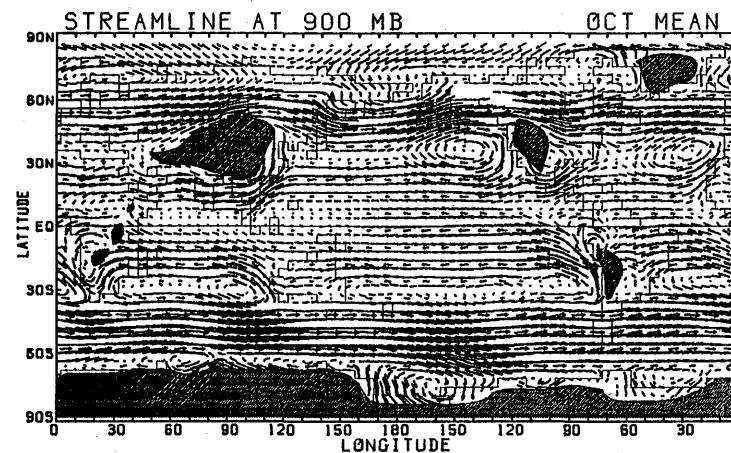
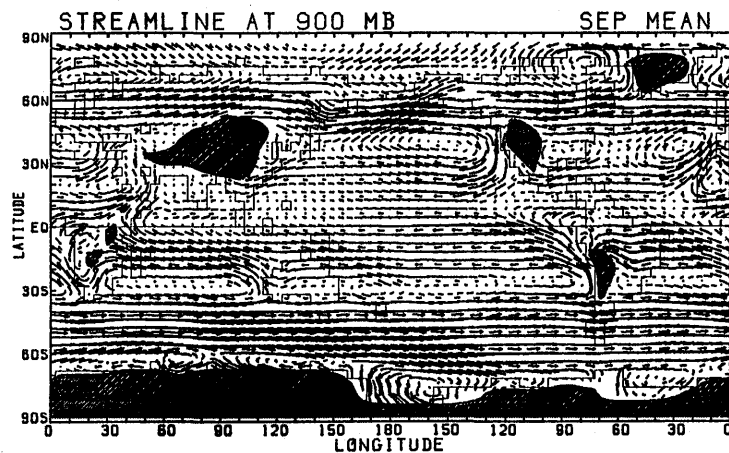


Fig. 1.6.3 Same as in Fig. 1.6.1 except for September, October, November and December.

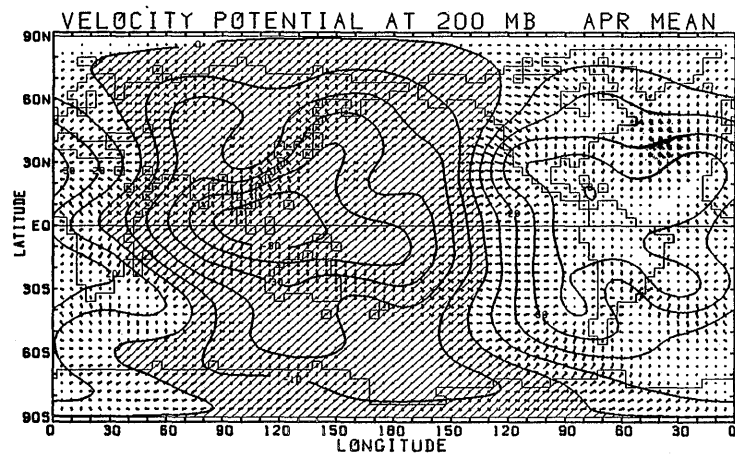
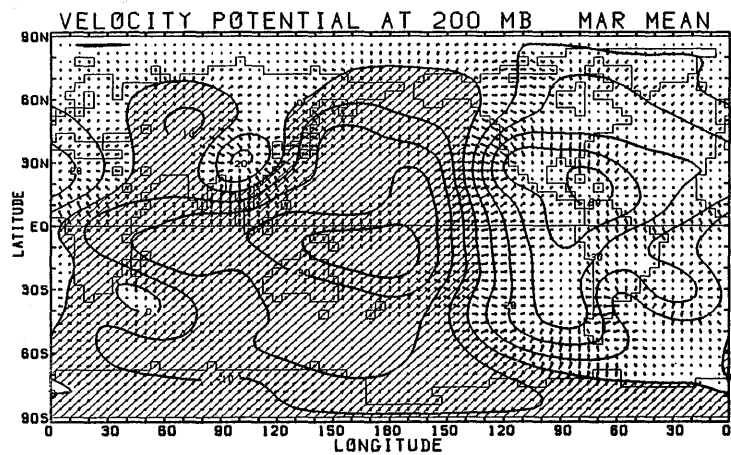
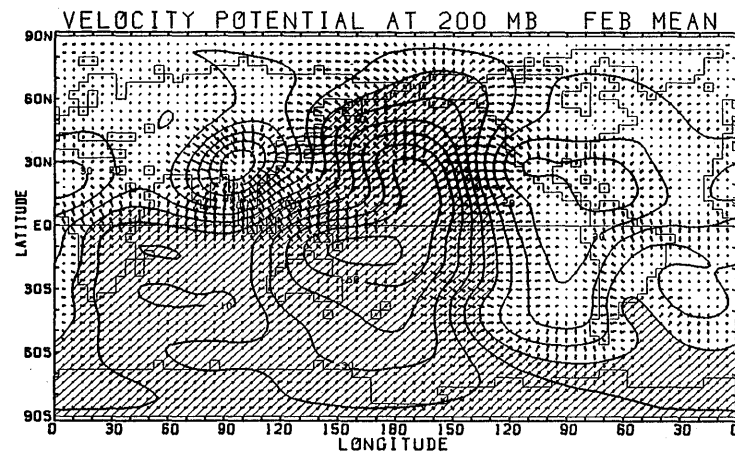
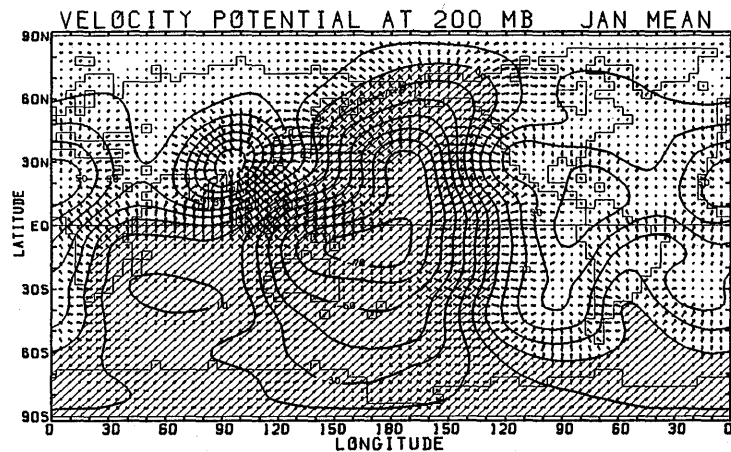


Fig. 1.7.1 Global distribution of monthly mean velocity potential and its divergent wind at 200 mb for January, February, March and April. Contour interval of the velocity potential is $10^8 \text{ m}^2 \text{ sec}^{-1}$.

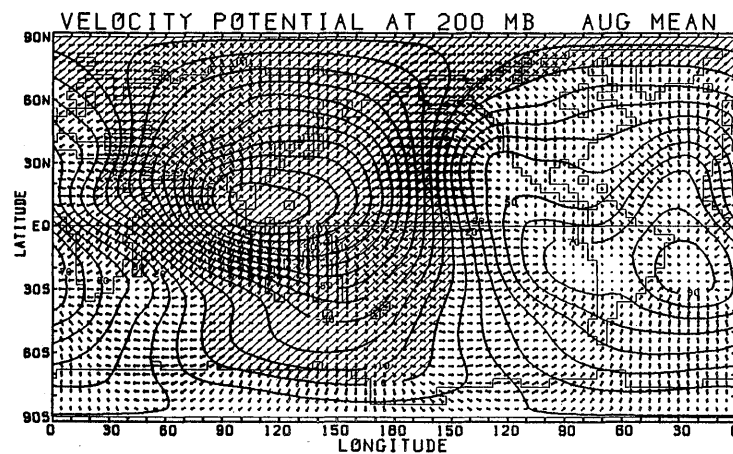
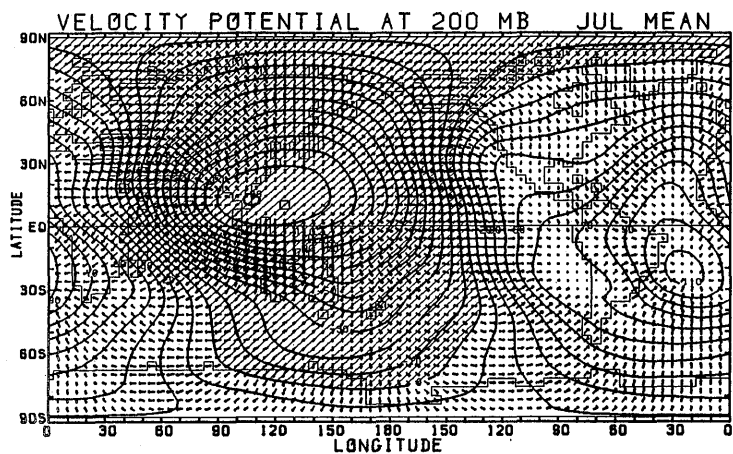
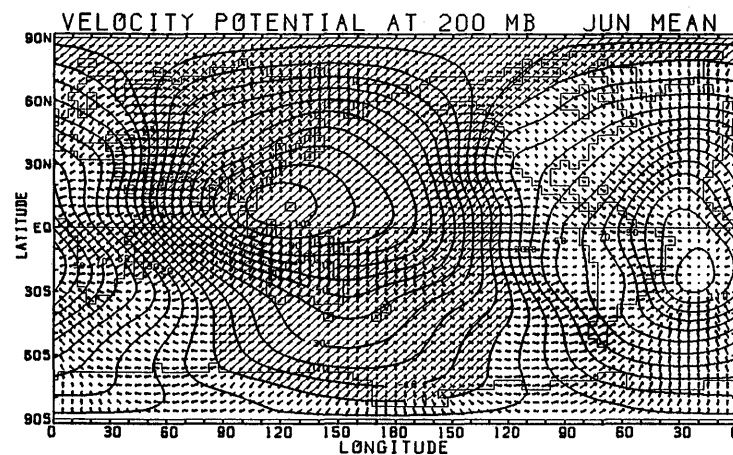
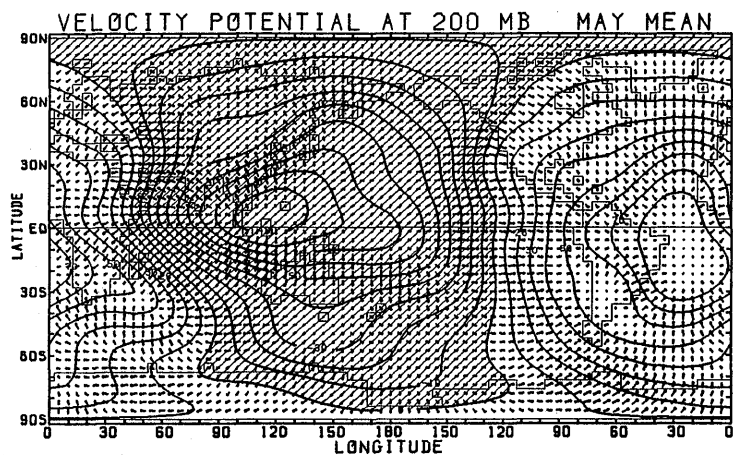


Fig. 1.7.2 Same as in Fig. 1.7.1 except for May, June, July and August.

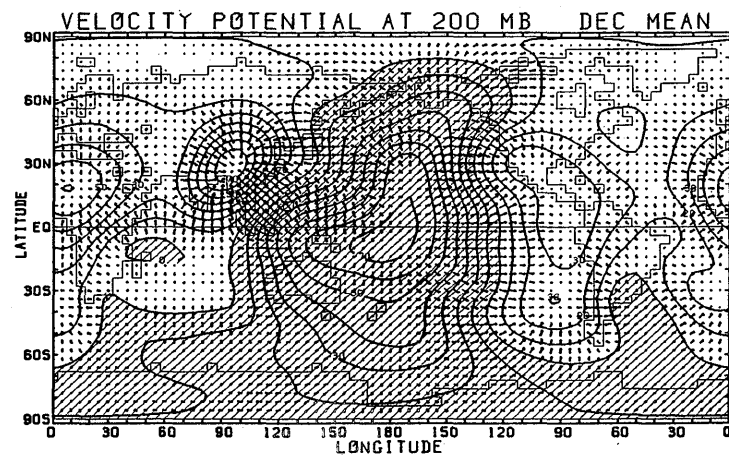
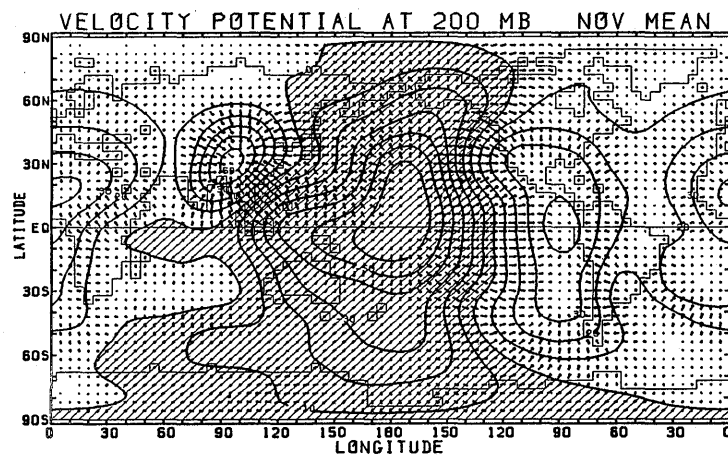
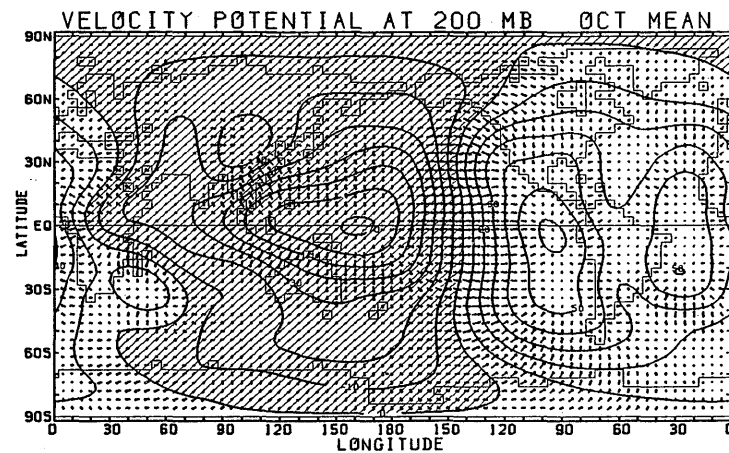
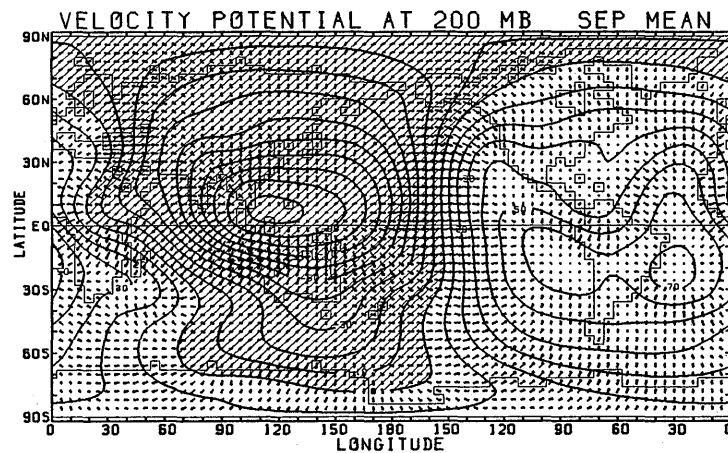


Fig. 1.7.3 Same as in Fig. 1.7.1 except for September, October, November and December.

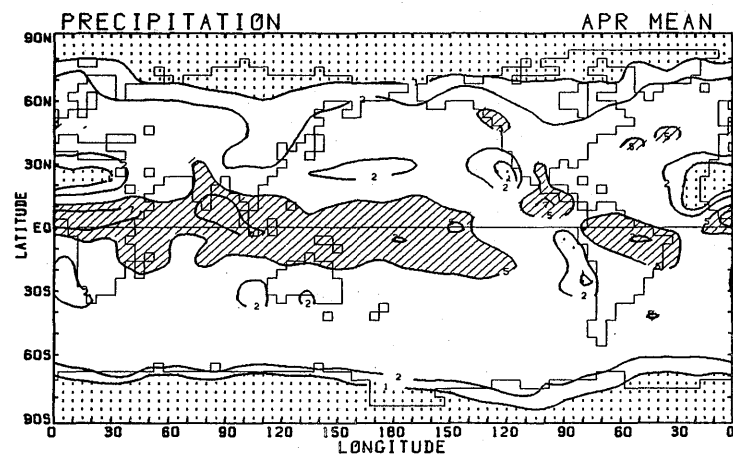
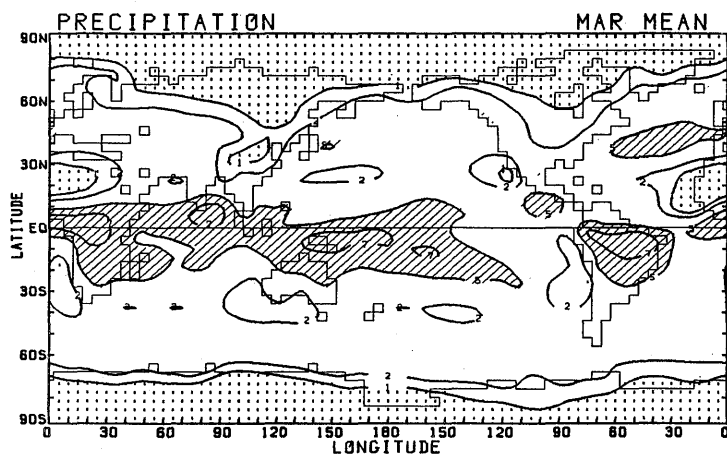
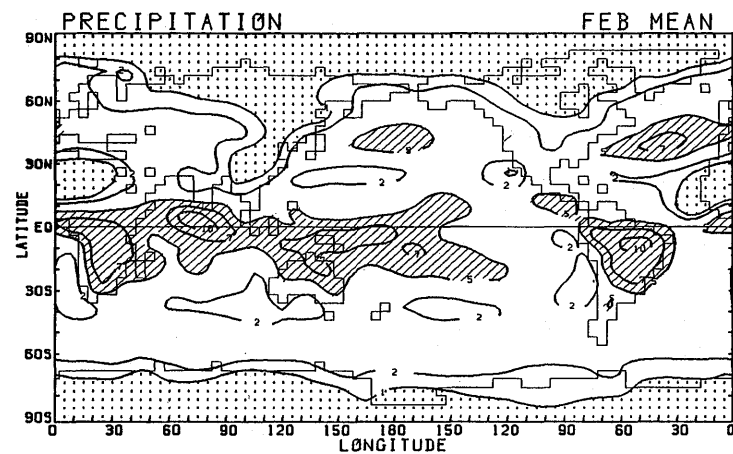
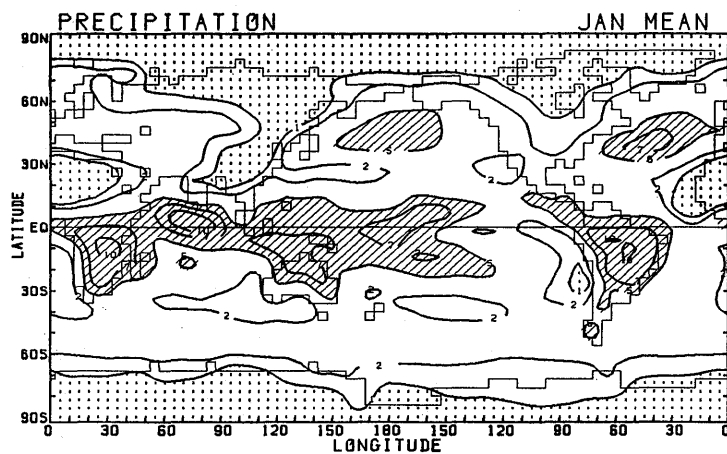


Fig. 1.8.1 Global distribution of monthly mean precipitation rate for January, February, March and April. Contours of 1, 2, 5, 7.5 and 10 mm day⁻¹ are drawn. Values greater than 5 mm day⁻¹ are shaded; those less than 1 mm day⁻¹ dotted.

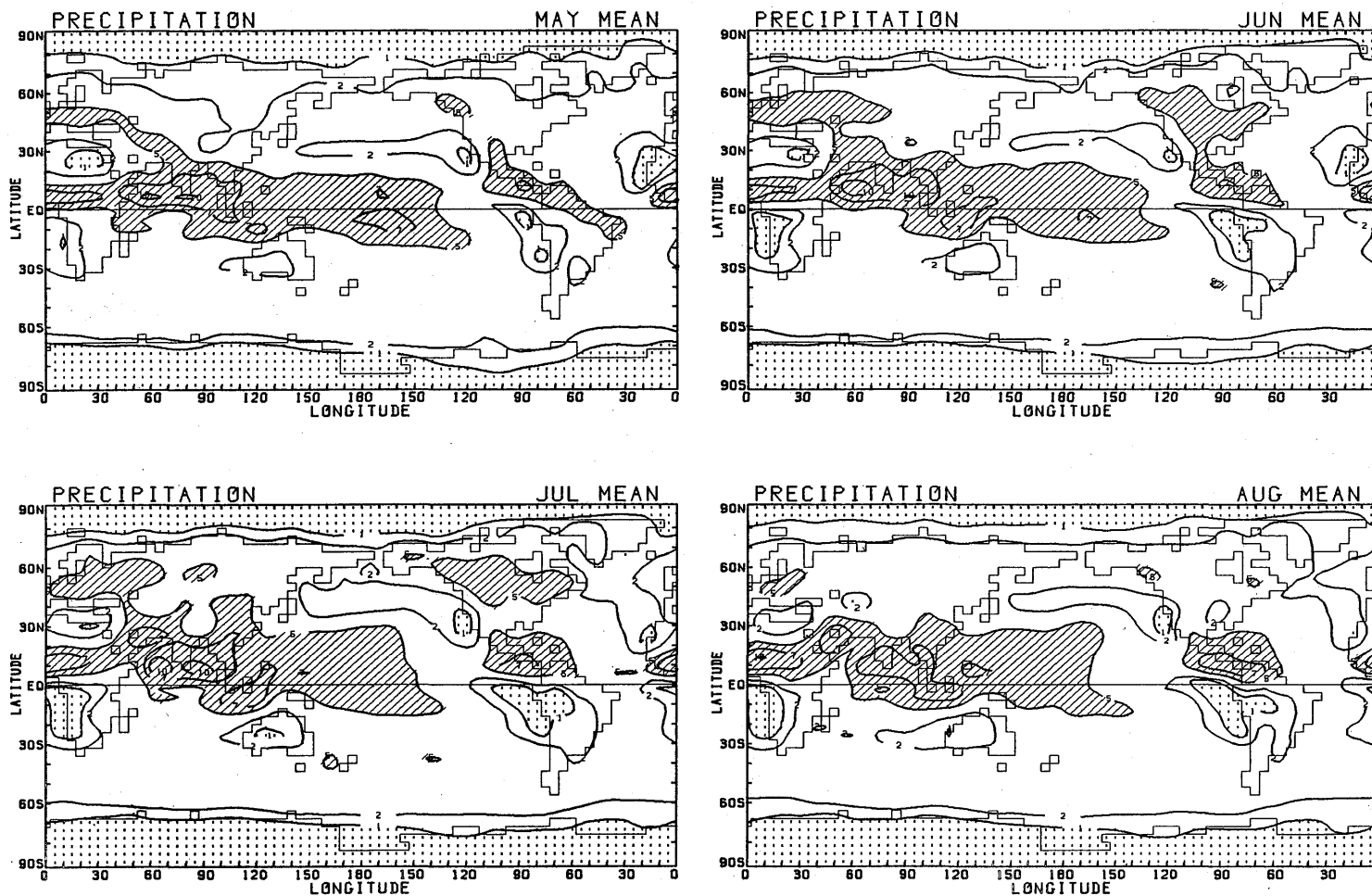


Fig. 1.8.2 Same as in Fig. 1.8.1 except for May, June, July and August.

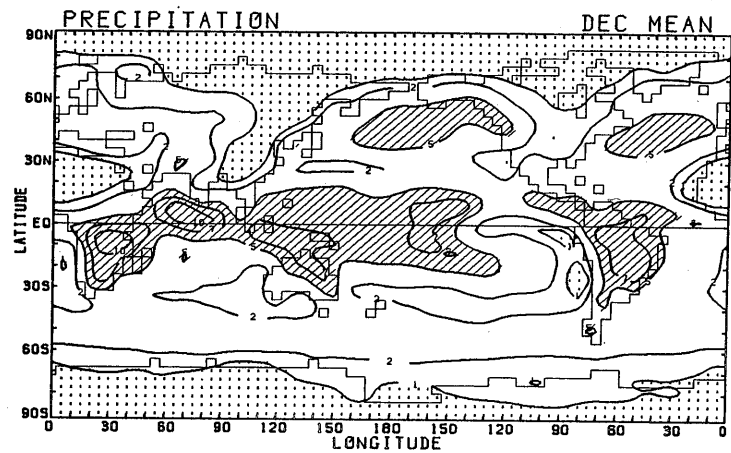
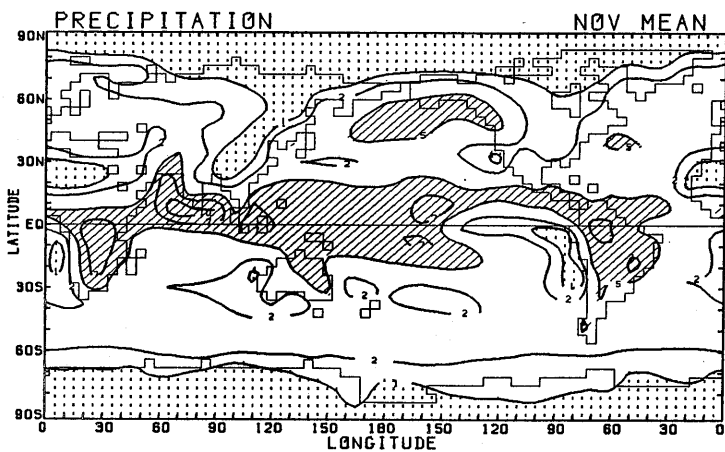
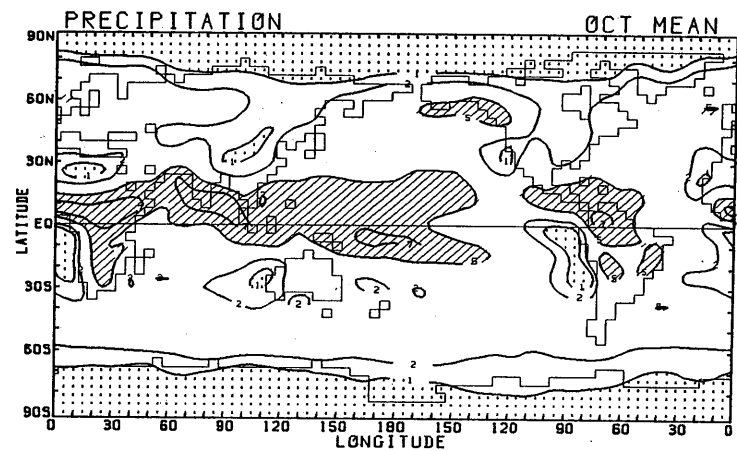
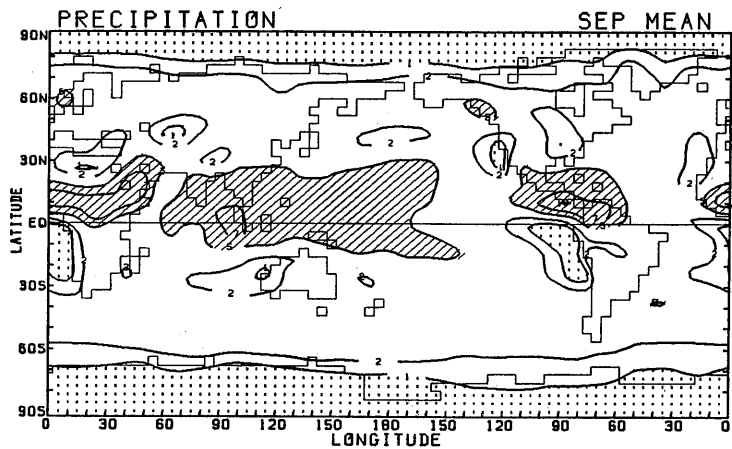


Fig. 1.8.3 Same as in Fig. 1.8.1 except for September, October, November and December.

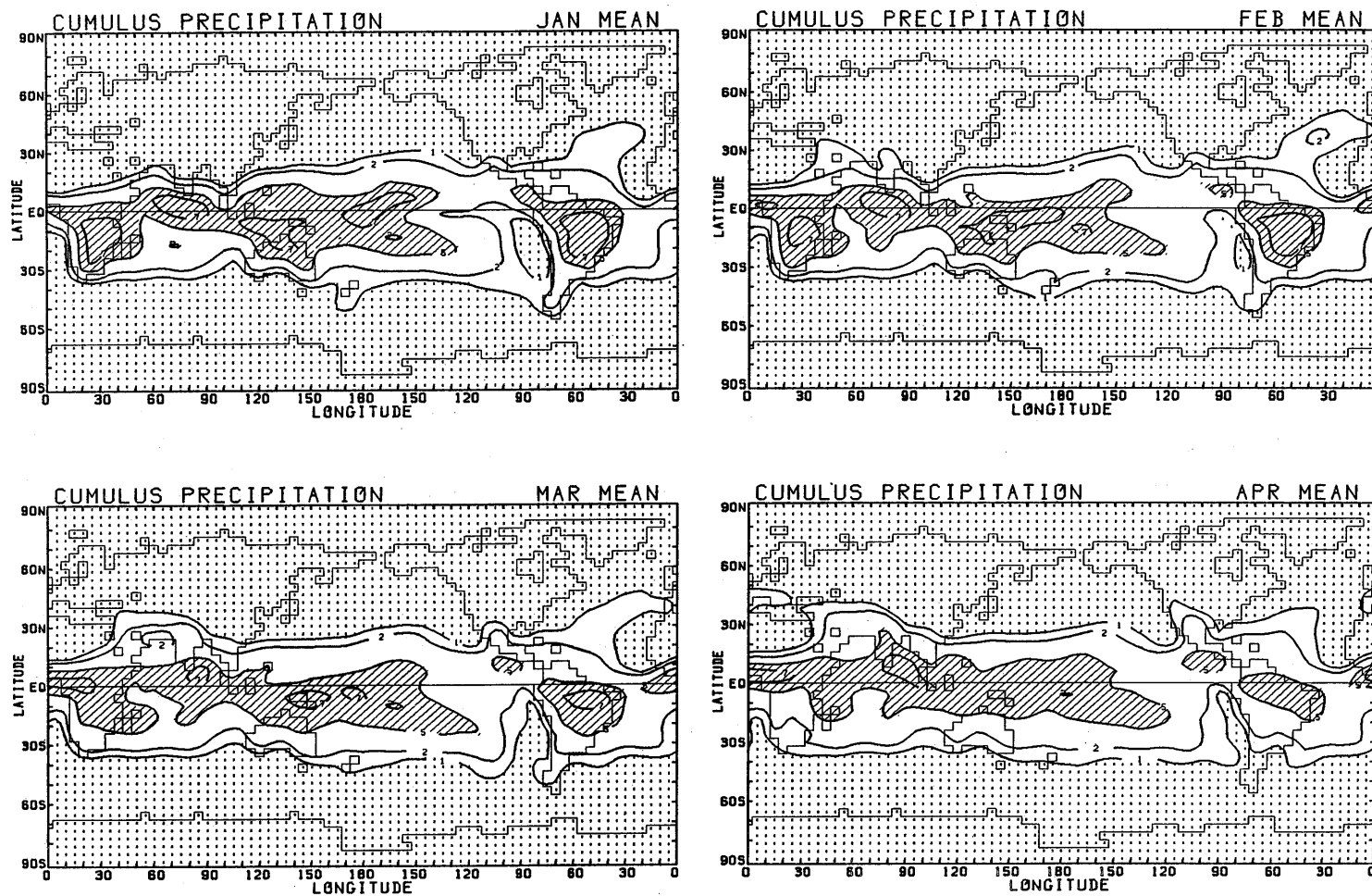


Fig. 1.9.1 Global distribution of monthly mean precipitation rate by cumulus convections for January, February, March and April. Contours of 1, 2, 5, 7.5 and 10 mm day⁻¹ are drawn. Values greater than 5 mm day⁻¹ are shaded; those less than 1 mm day⁻¹ dotted.

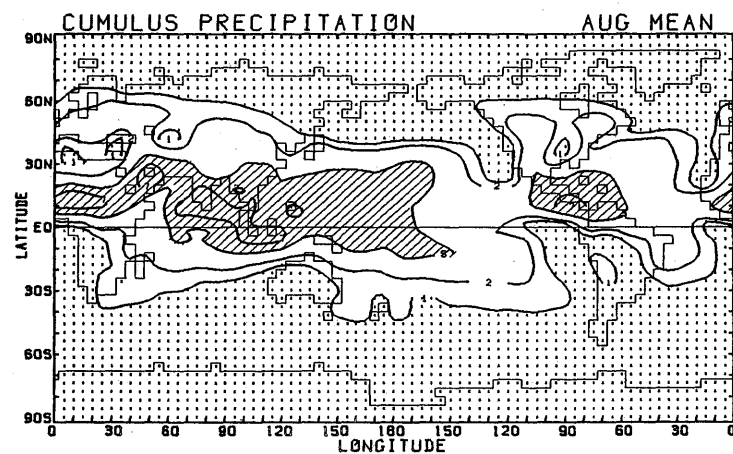
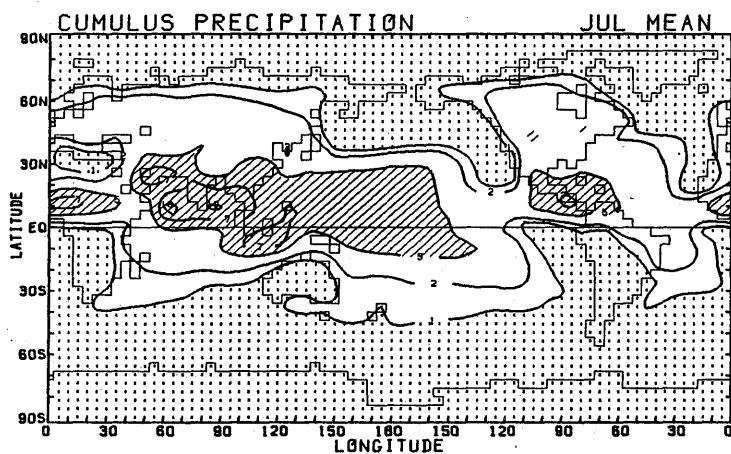
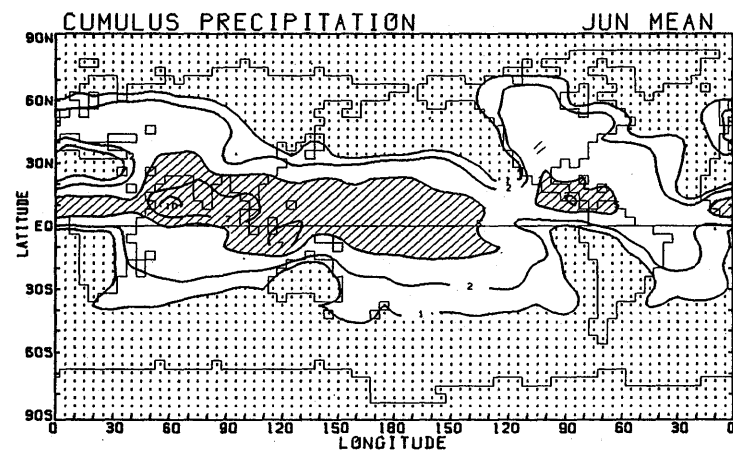
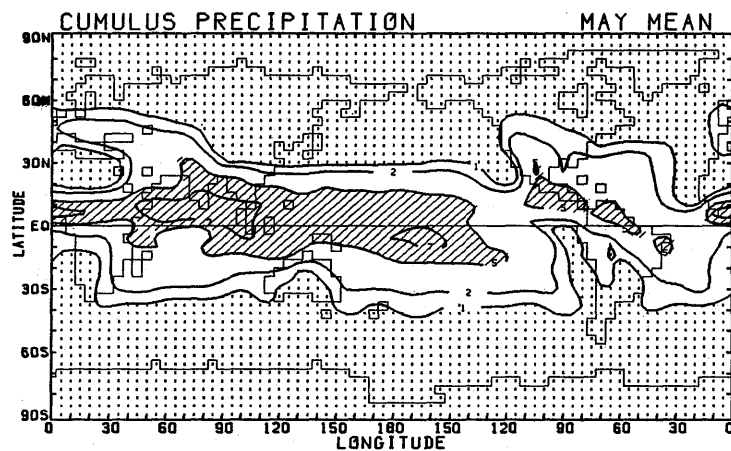


Fig. 1.9.2 Same as in Fig. 1.9.1 except for May, June, July and August.

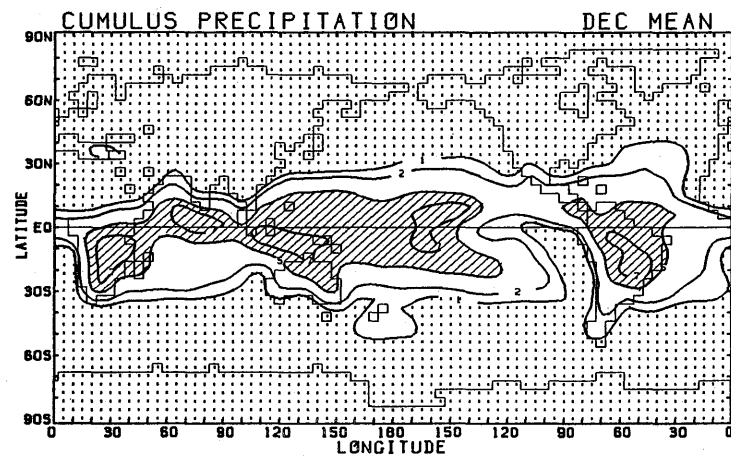
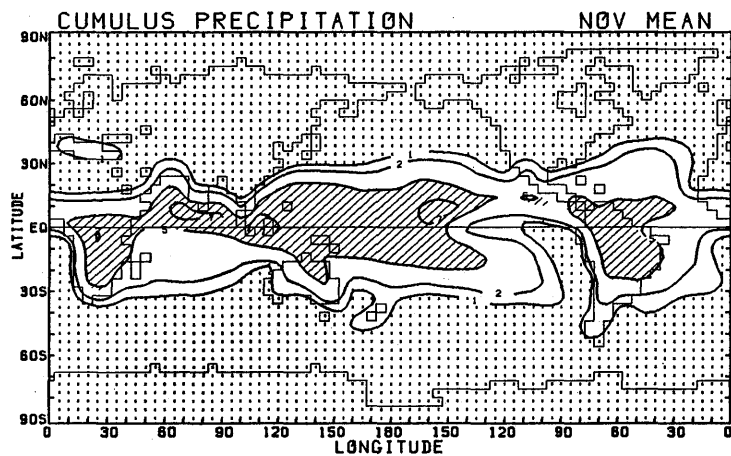
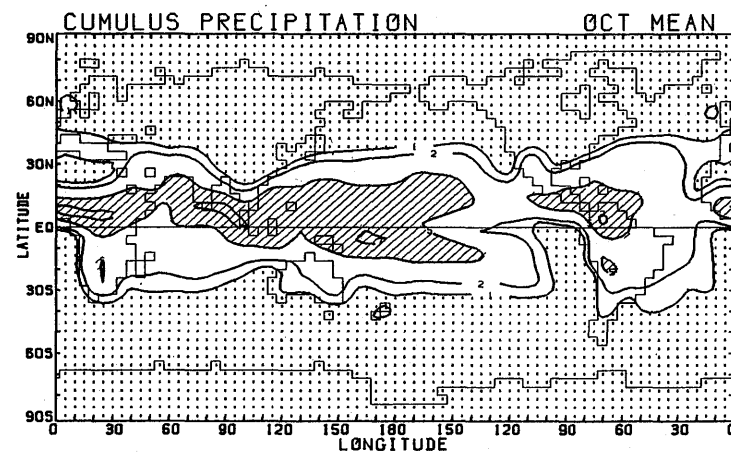
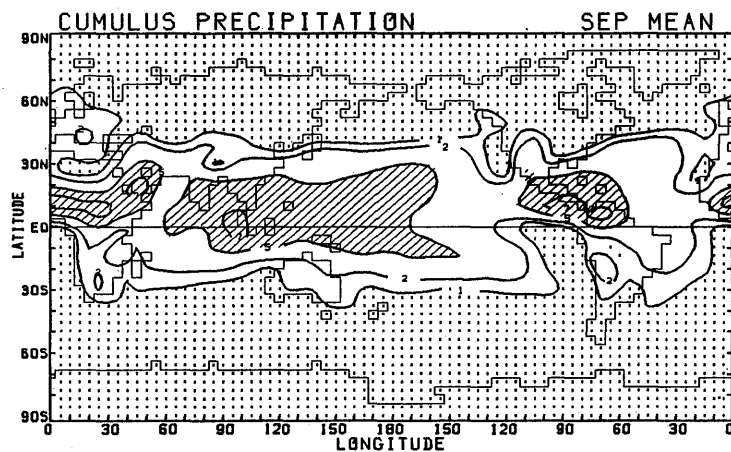


Fig. 1.9.3 Same as in Fig. 1.9.1 except for September, October, November and December.

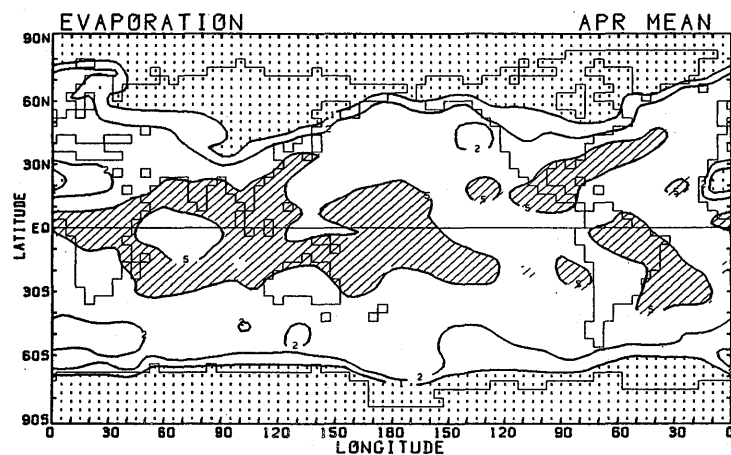
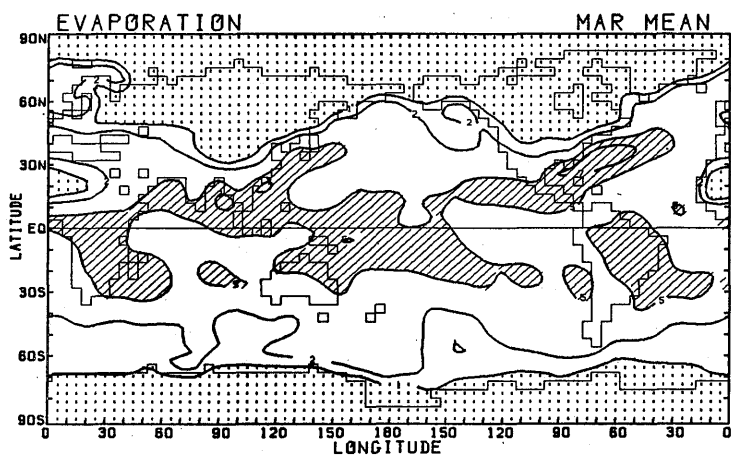
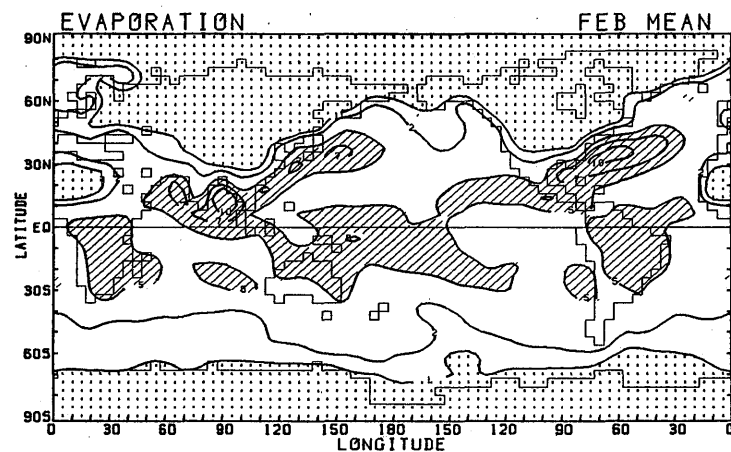
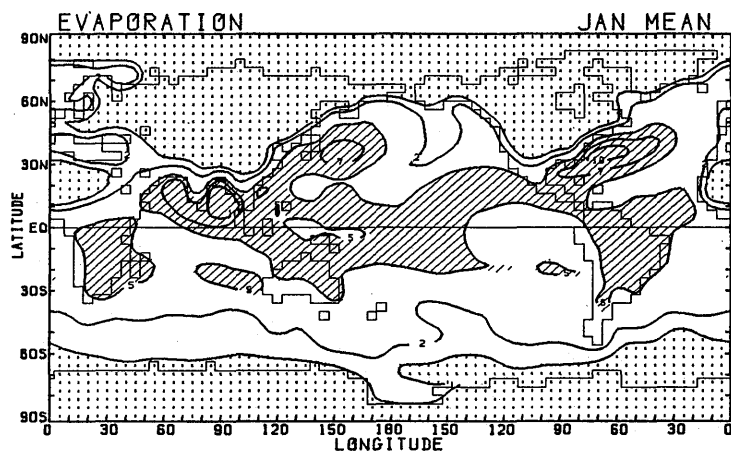


Fig. 1.10.1 Global distribution of monthly mean evaporation rate for January, February, March and April. Contours of 1, 2, 5, 7.5 and 10 mm day⁻¹ are drawn. Values greater than 5 mm day⁻¹ are shaded; those less than 1 mm day⁻¹ dotted.

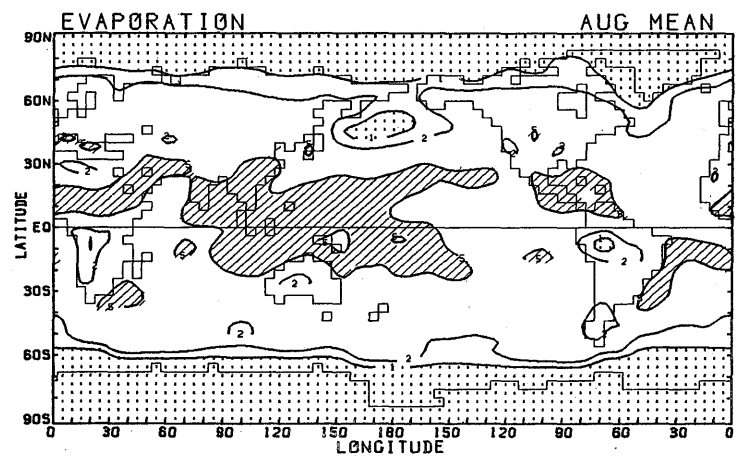
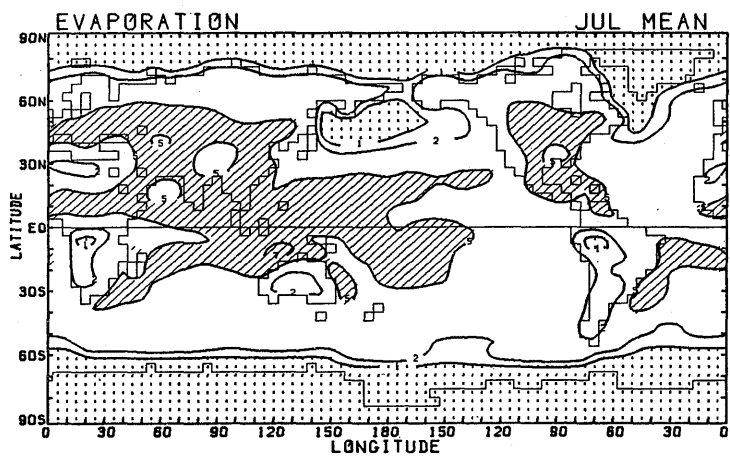
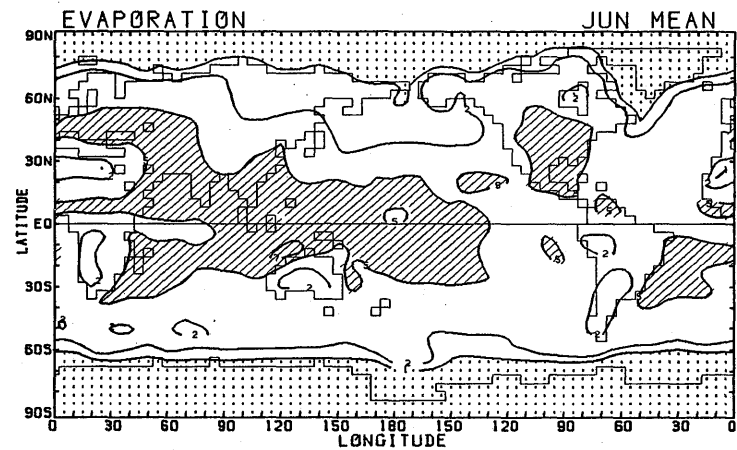
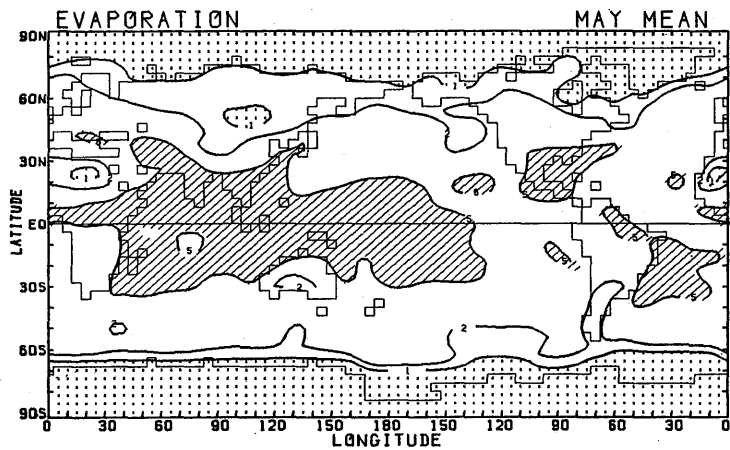


Fig. 1.10.2 Same as in Fig. 1.10.1 except for May, June, July and August.

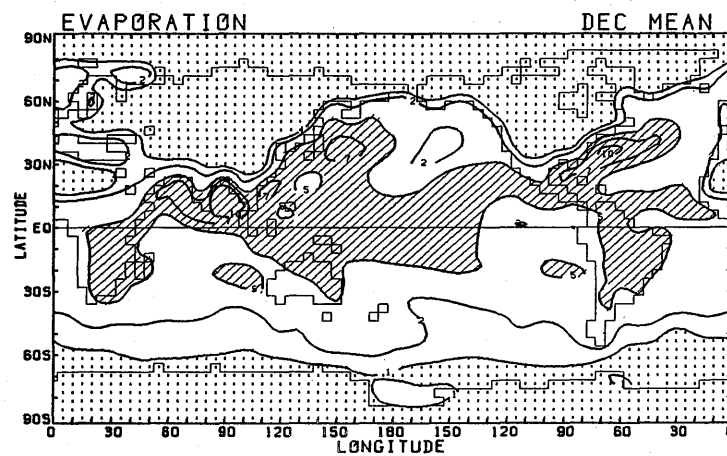
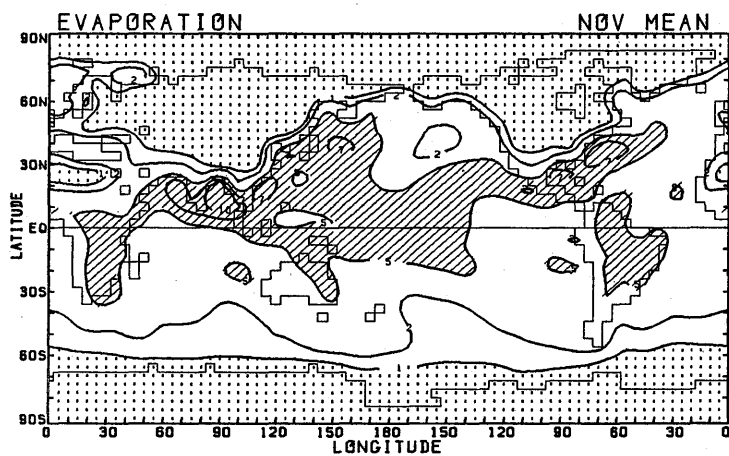
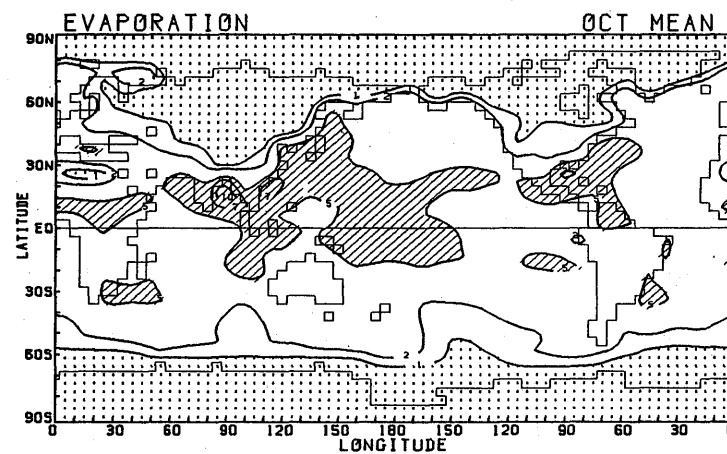
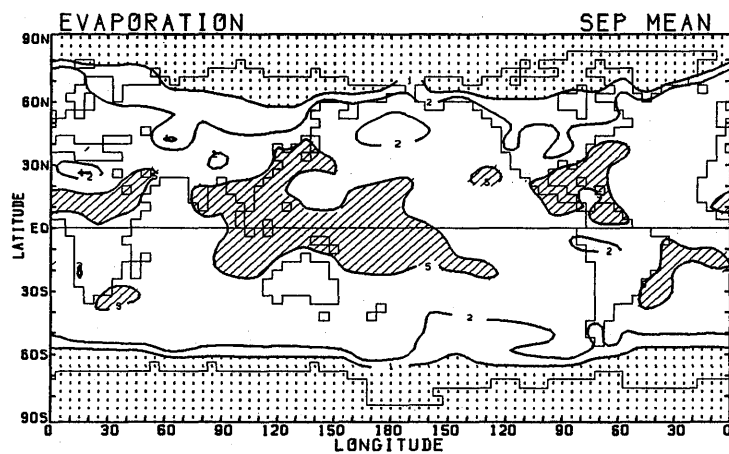


Fig. 1.10.3 Same as in Fig. 1.10.1 except for September, October, November and December.

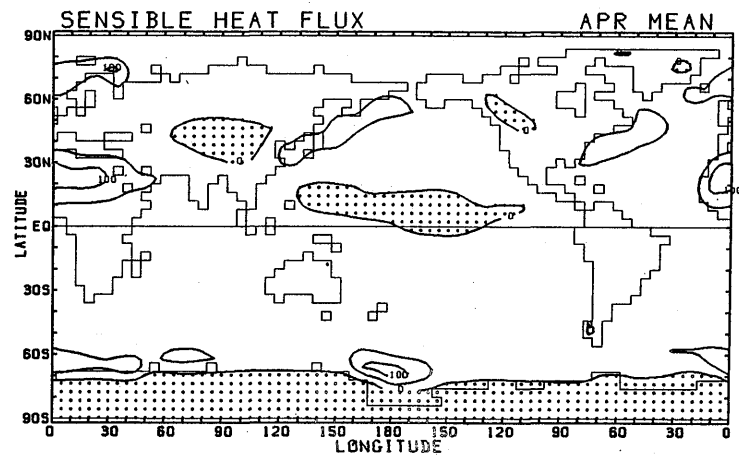
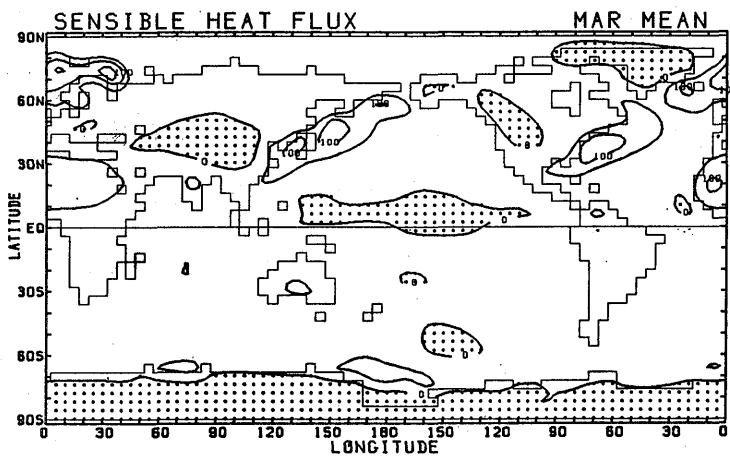
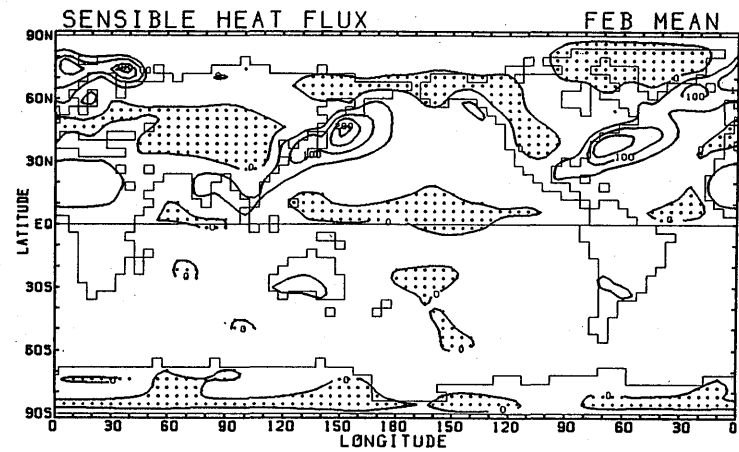
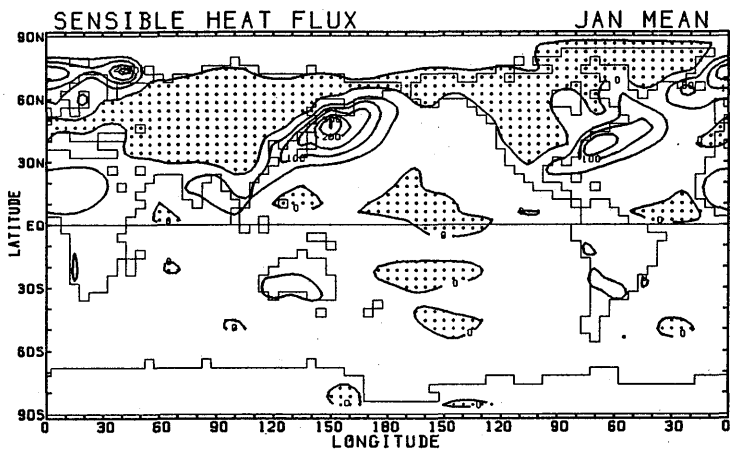


Fig. 1.11.1 Global distribution of monthly mean sensible heat flux from the surface for January, February, March and April. Contour interval is 50 W m^{-2} . Negative values are dotted.

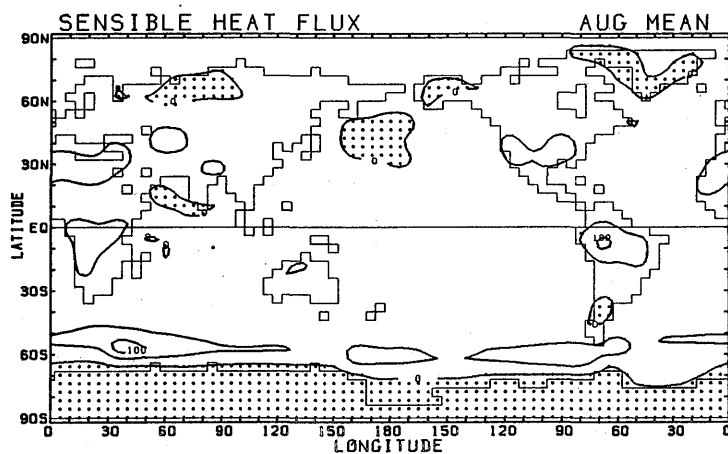
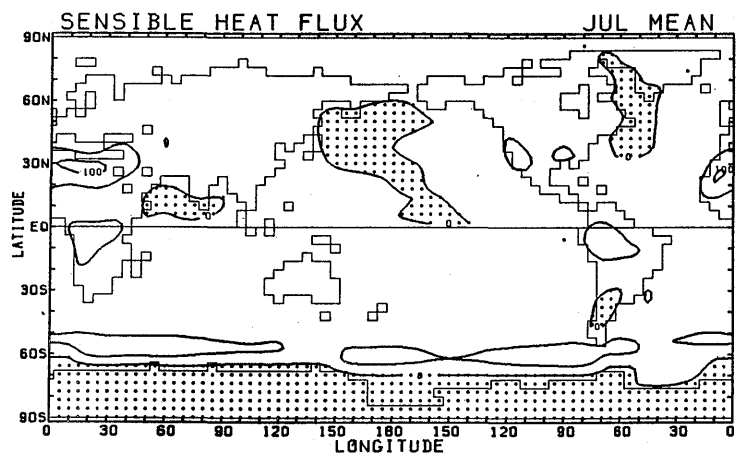
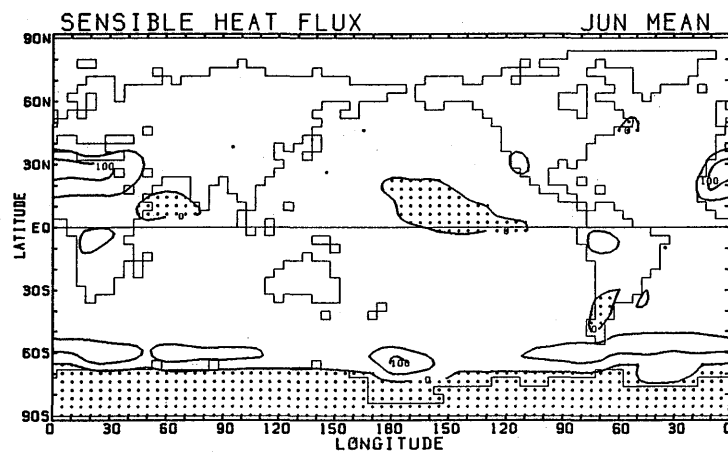
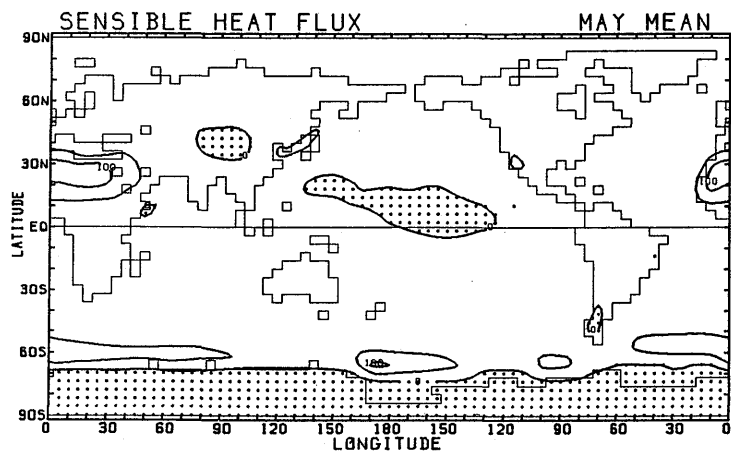


Fig. 1.11.2 Same as in Fig. 1.11.1 except for May, June, July and August.

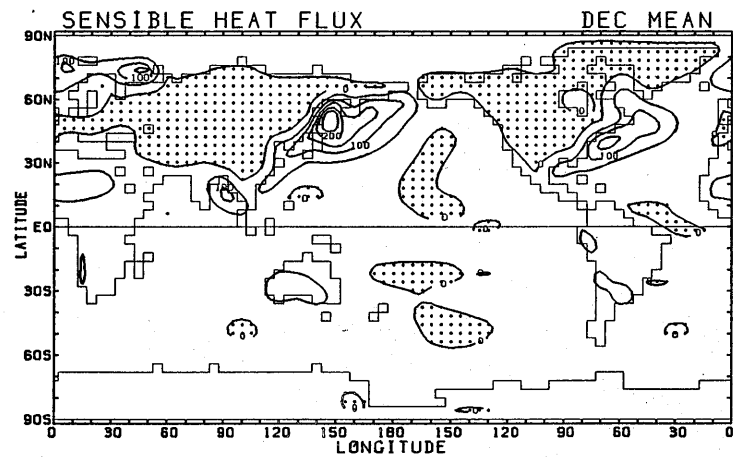
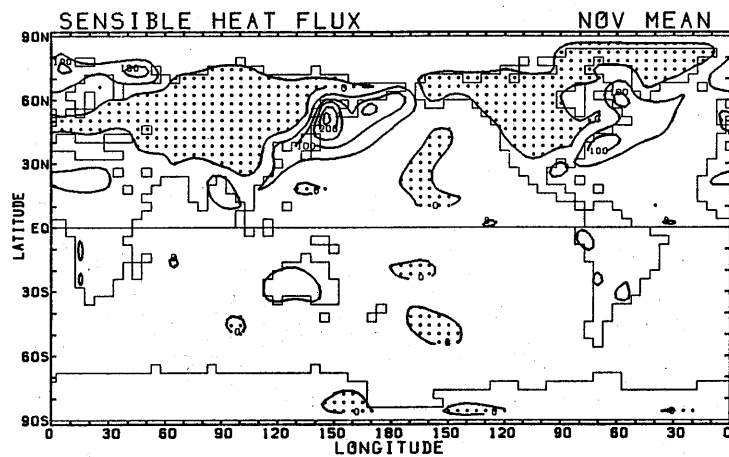
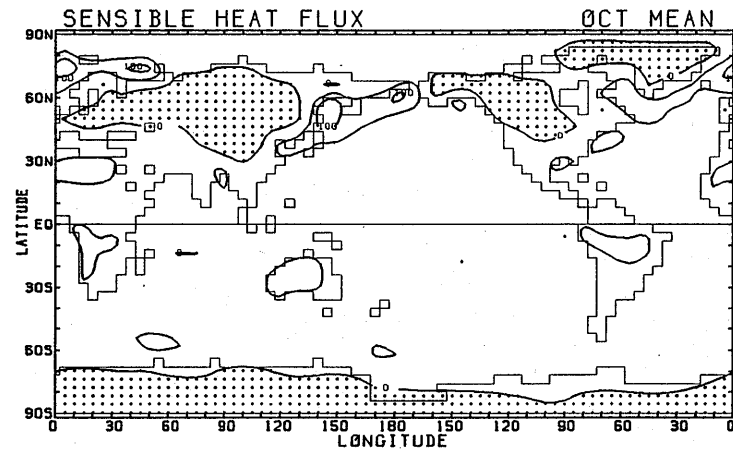
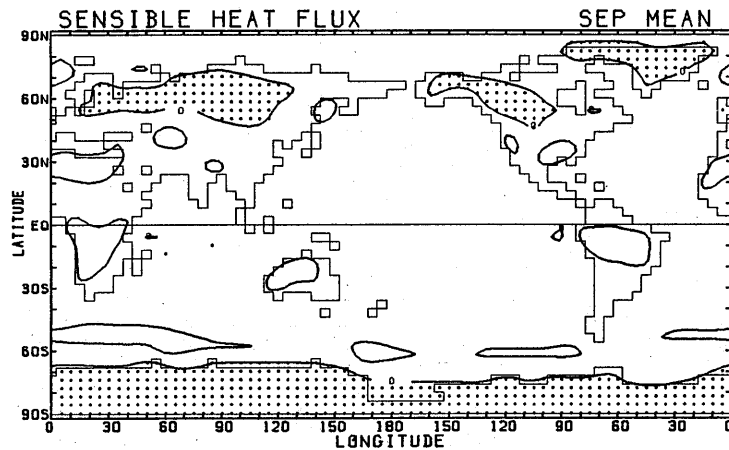


Fig. 1.11.3 Same as in Fig. 1.11.1 except for September, October, November and December.

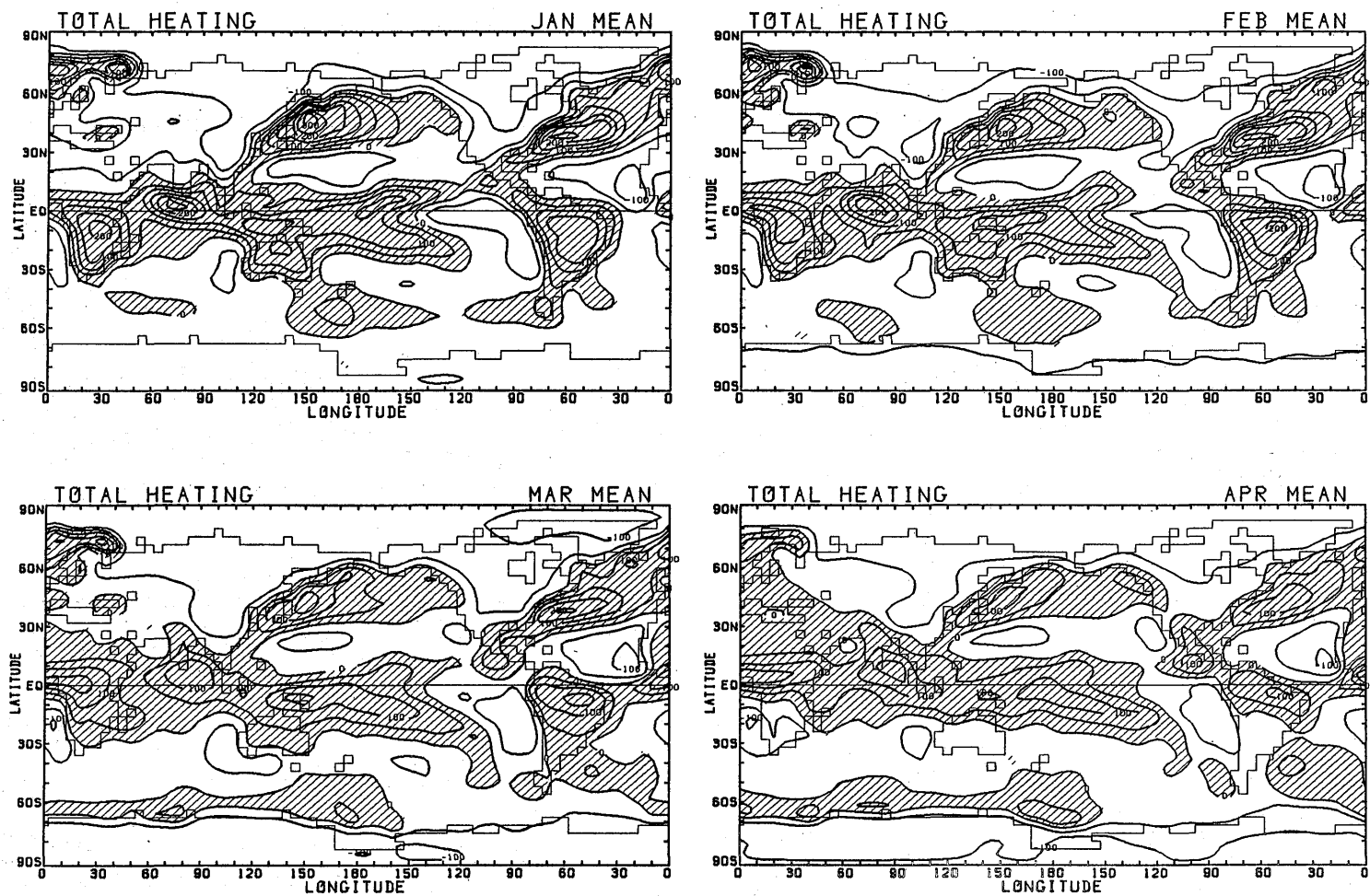


Fig. 1.12.1 Global distribution of monthly mean vertically integrated net atmospheric heating for January, February, March and April. Contour interval is 50 W m^{-2} . Positive values are shaded.

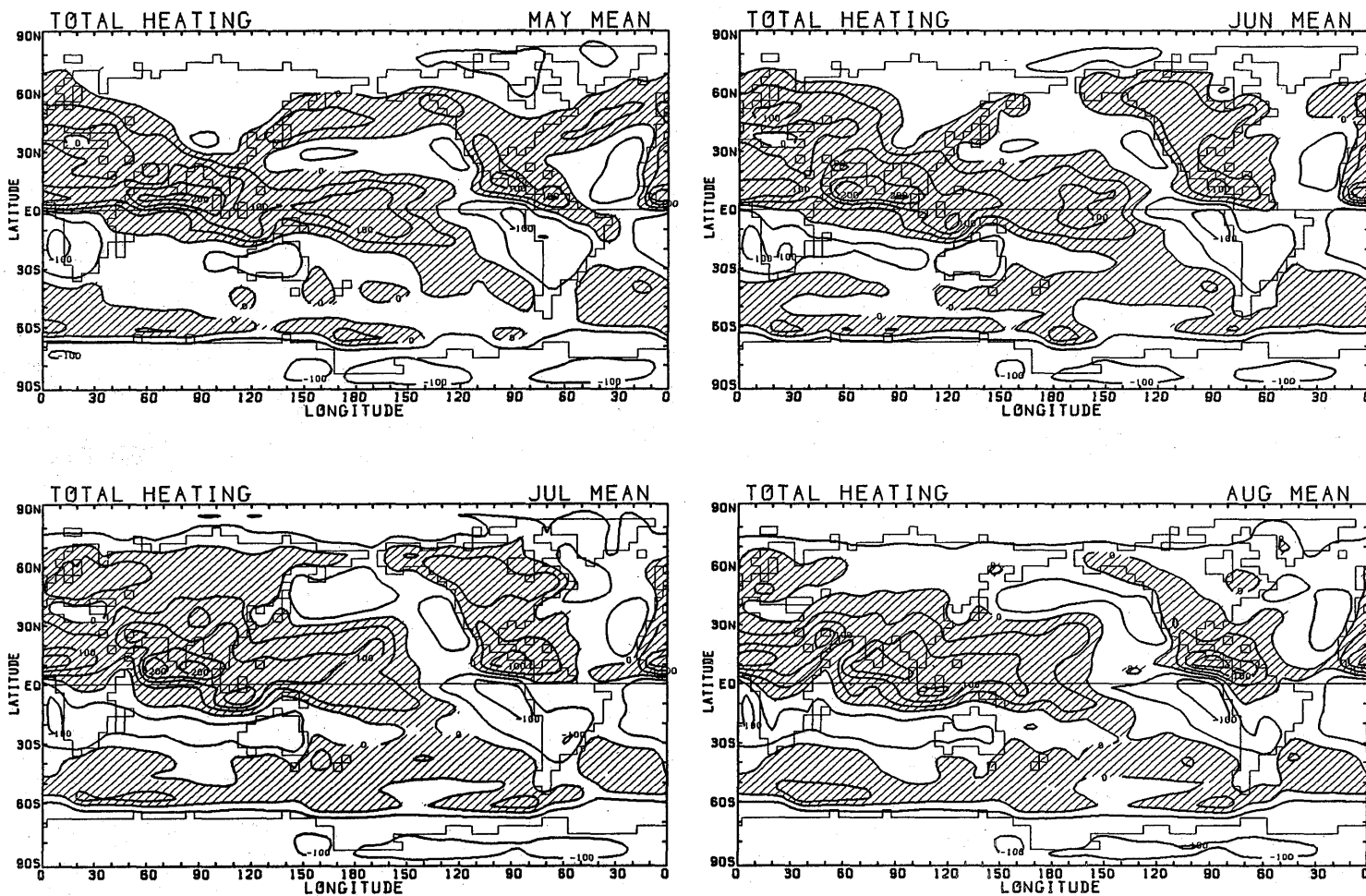


Fig. 1.12.2 Same as in Fig. 1.12.1 except for May, June, July and August.

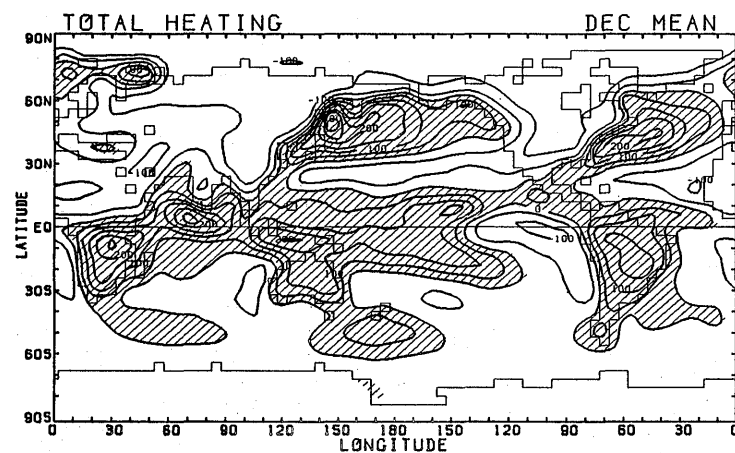
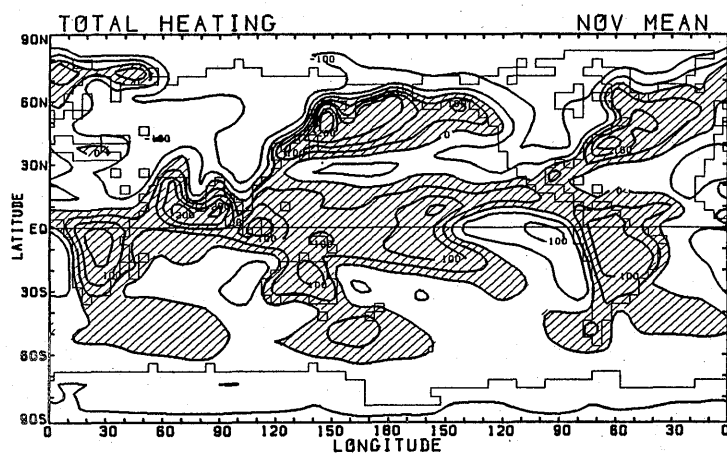
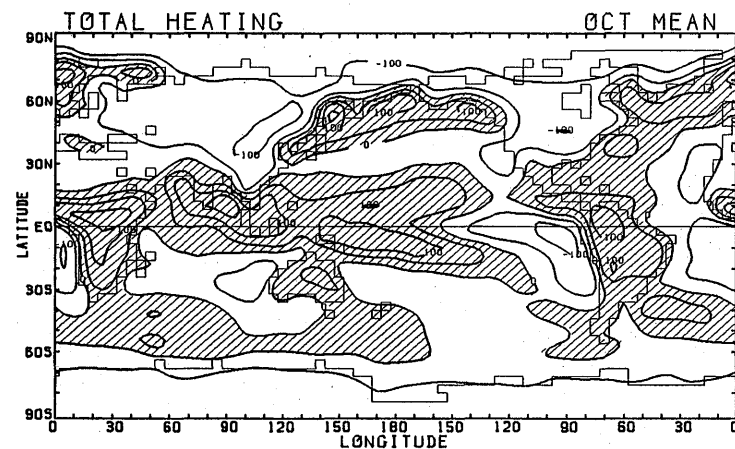
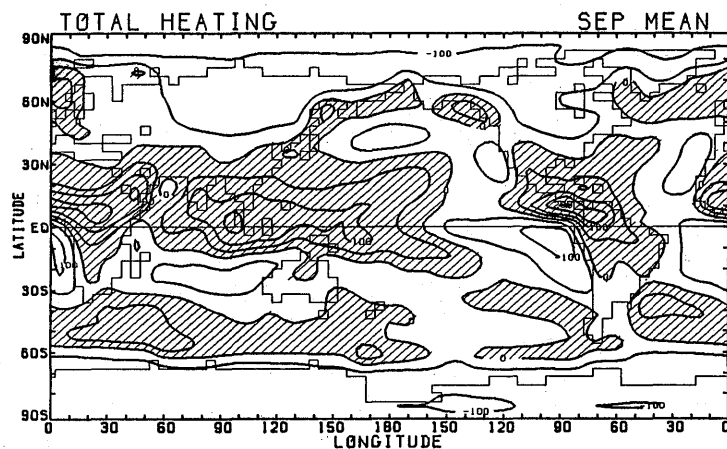


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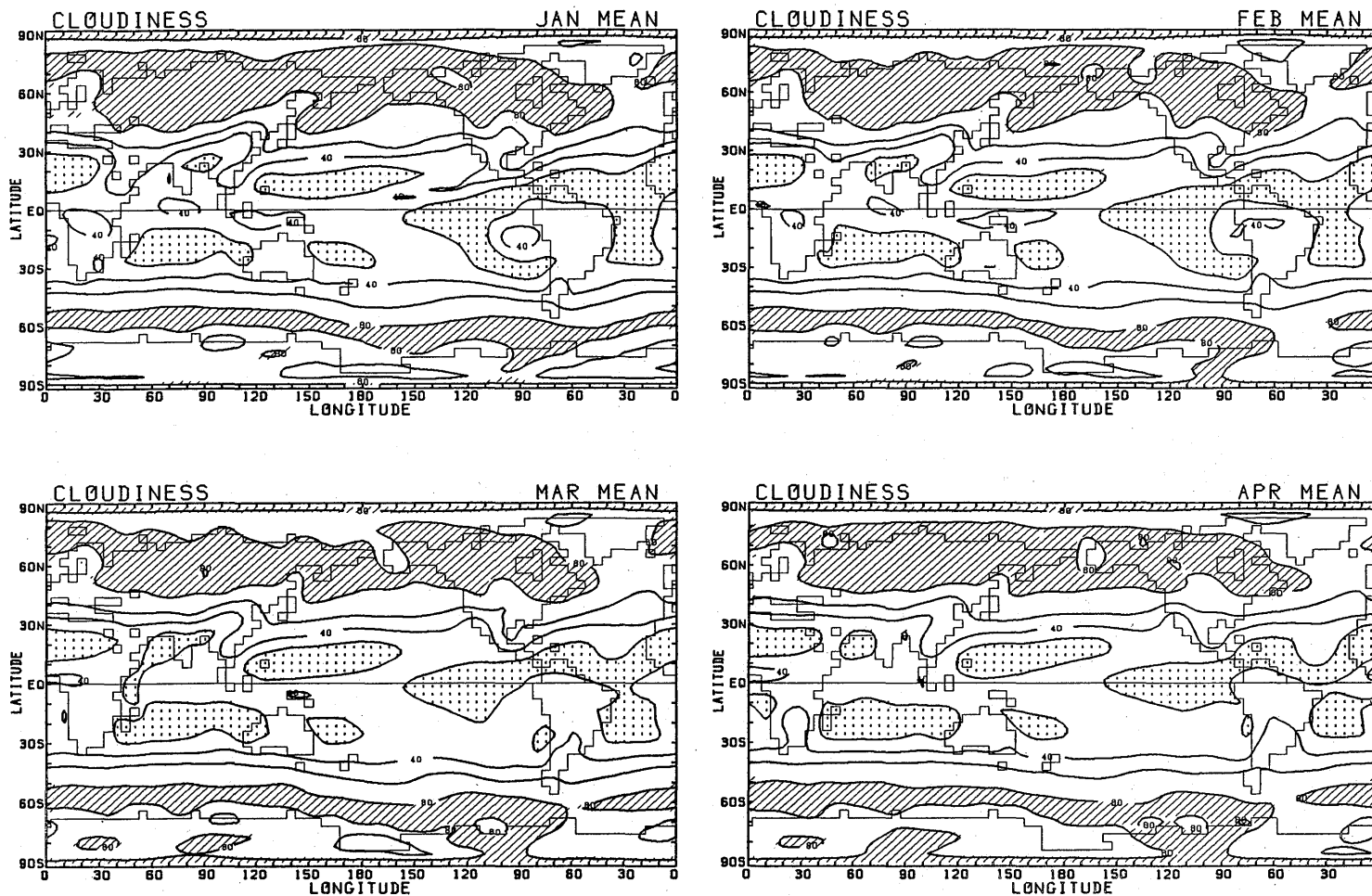


Fig. 1.13.1 Global distribution of monthly mean cloudiness for January, February, March and April. Contour interval is 20%. Values greater than 80% are shaded; those less than 20% dotted.

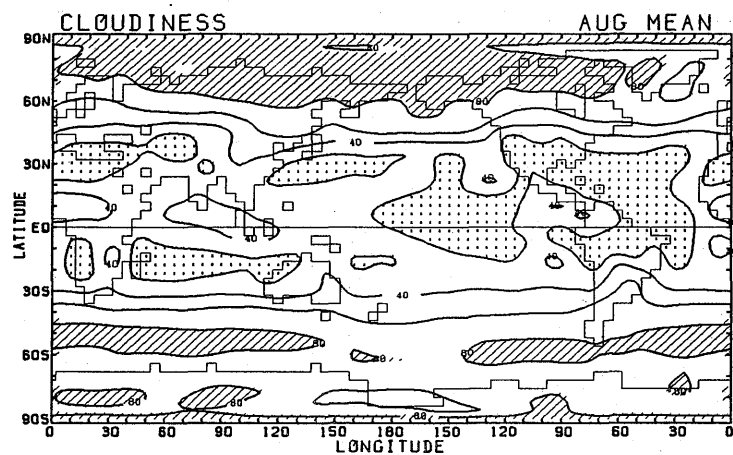
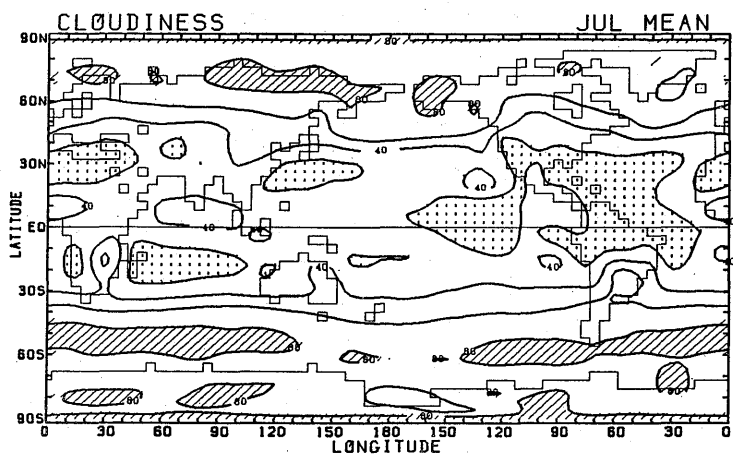
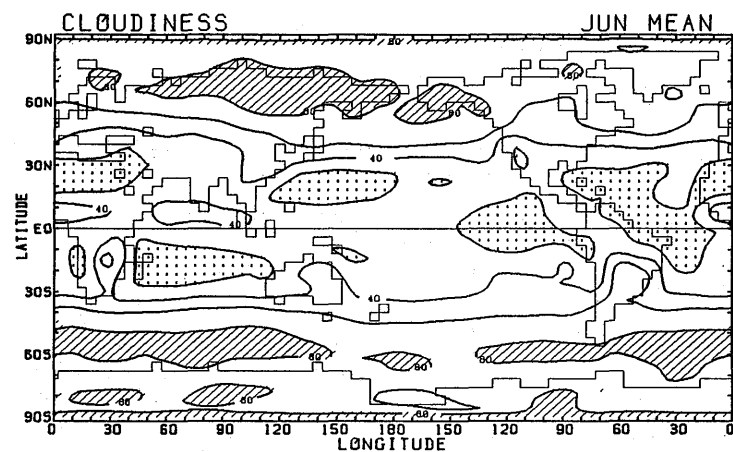
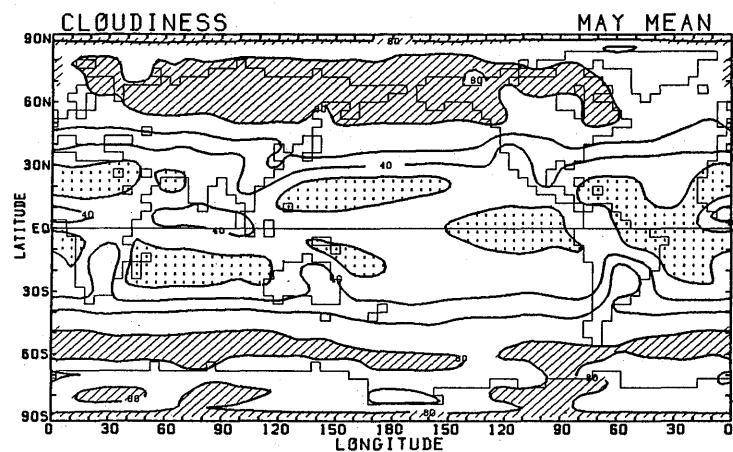


Fig. 1.13.2 Same as in Fig. 1.13.1 except for May, June, July and August.

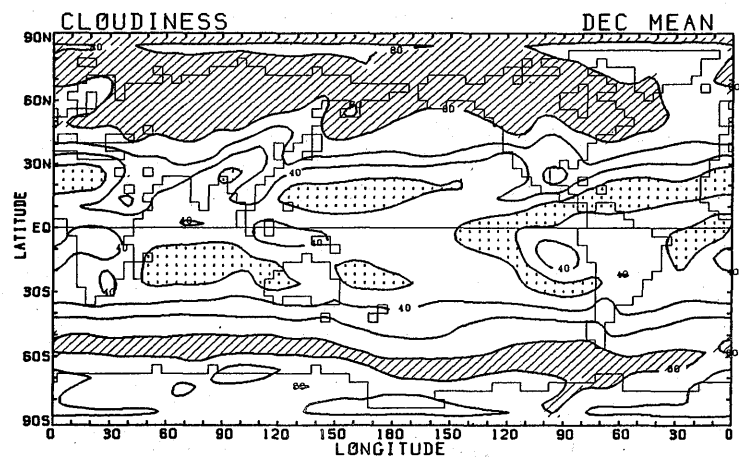
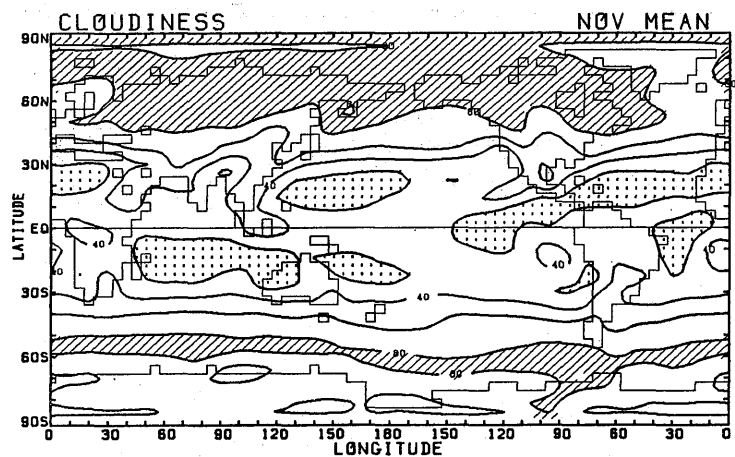
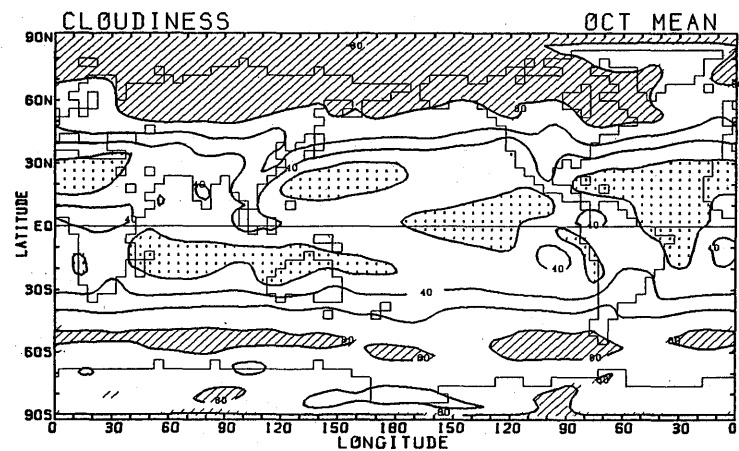
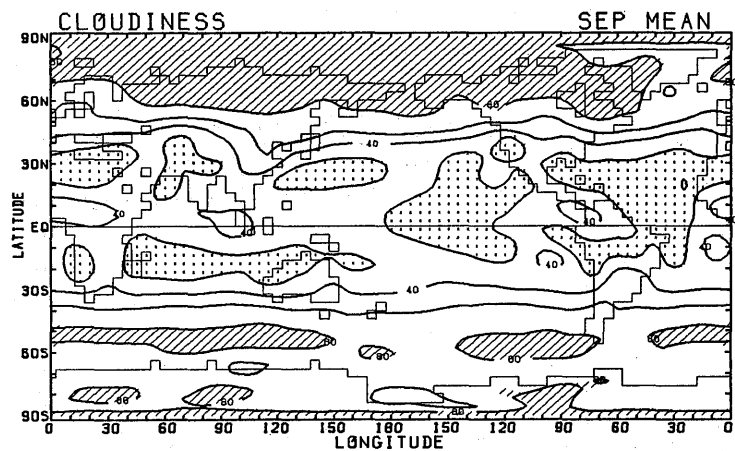


Fig. 1.13.3 Same as in Fig. 1.13.1 except for September, October, November and December.

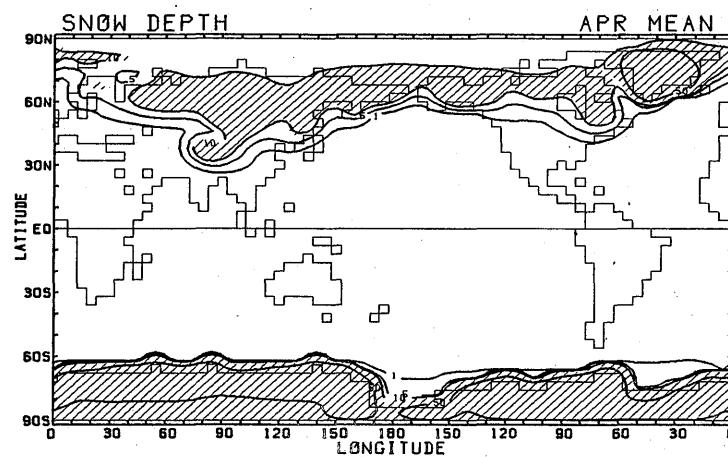
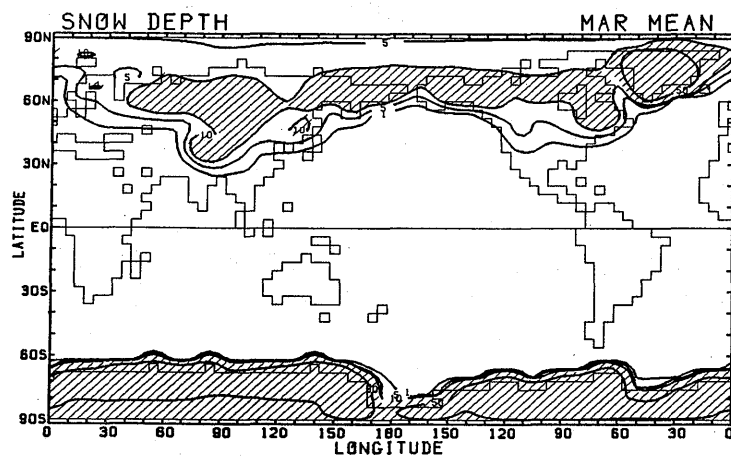
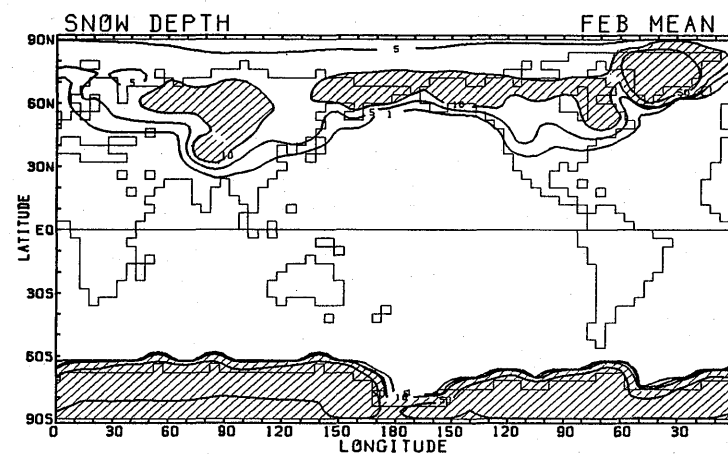
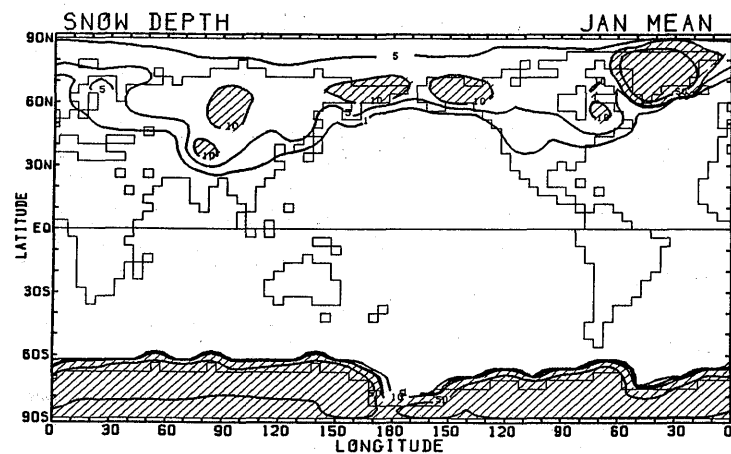


Fig. 1.14.1 Global distribution of monthly mean snow depth for January, February, March and April. Contours of 1, 5, 10 and 50 cm are drawn. Values greater than 10 cm are shaded.

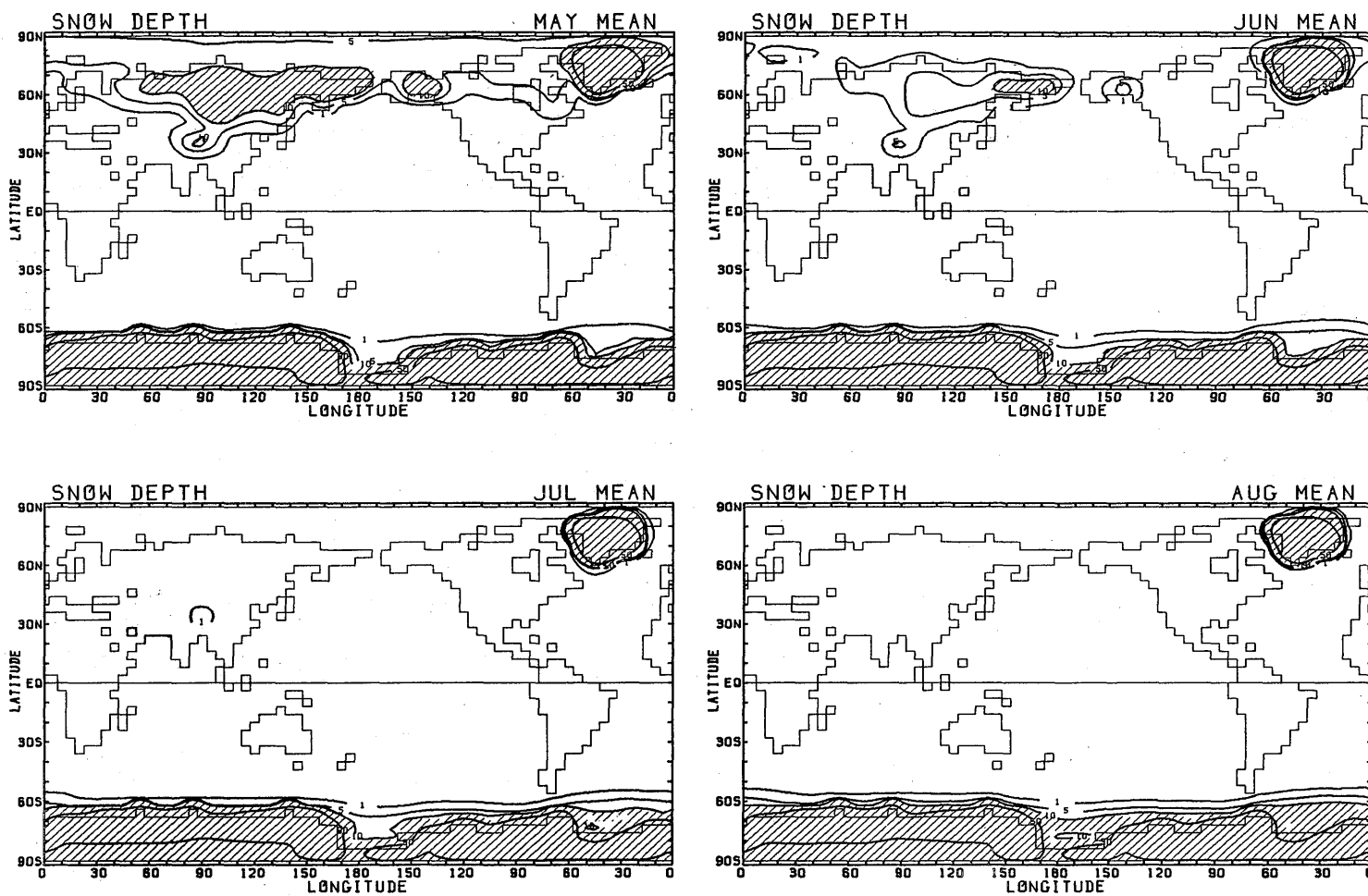


Fig. 1.14.2 Same as in Fig. 1.14.1 except for May, June, July and August.

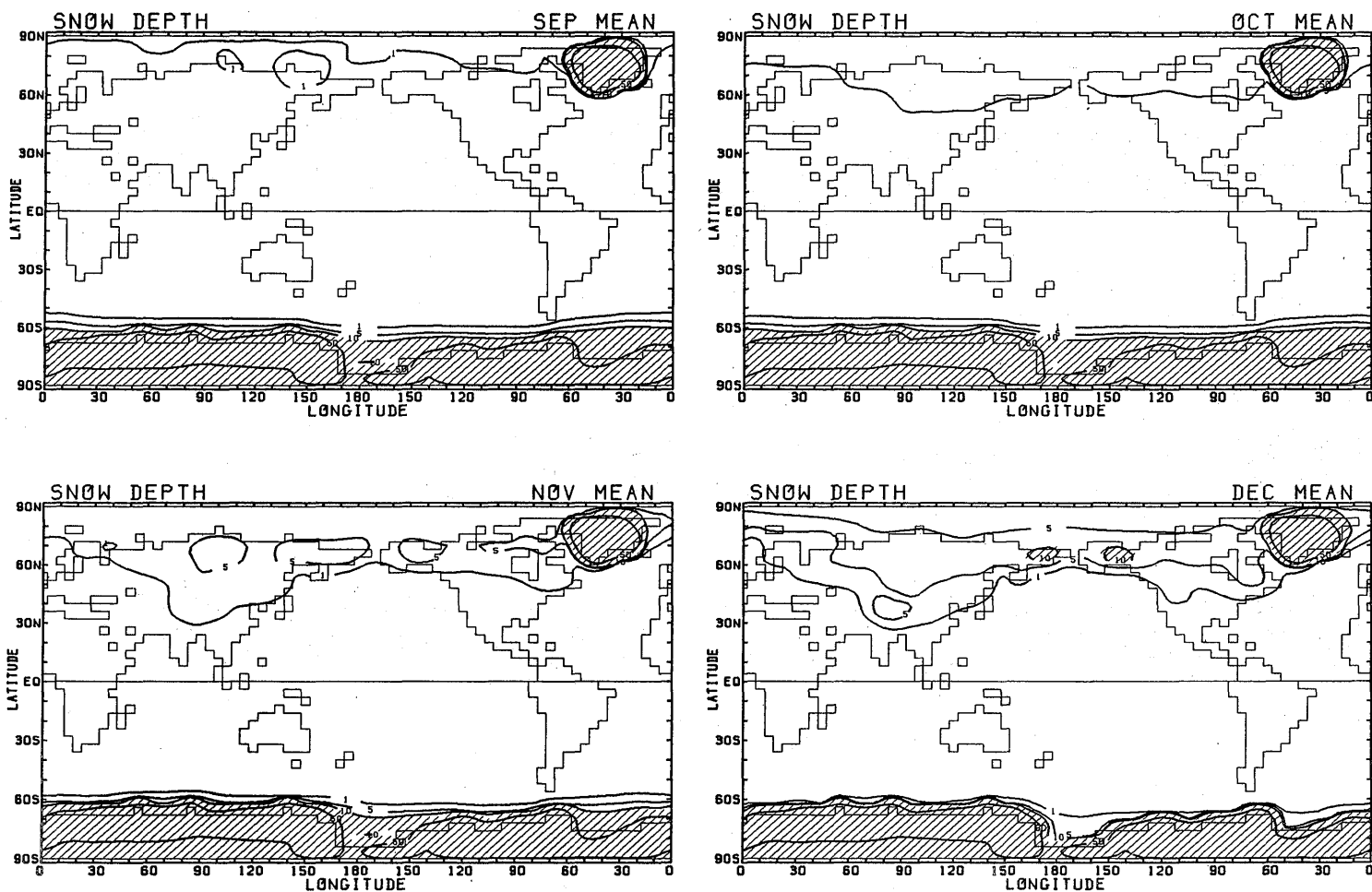


Fig. 1.14.3 Same as in Fig. 1.14.1 except for September, October, November and December.

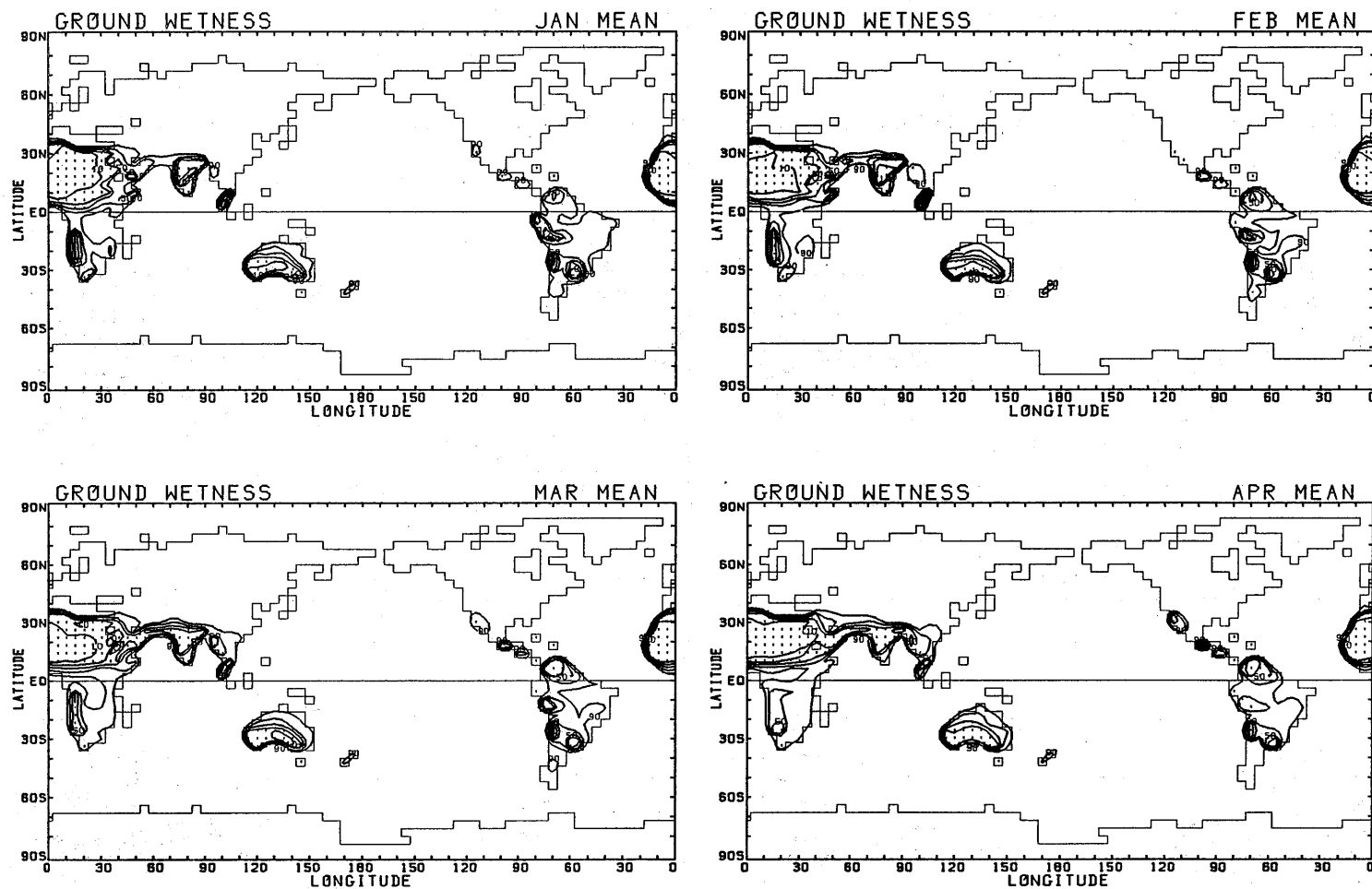


Fig. 1.15.1 Global distribution of monthly mean ground wetness for January, February, March and April. Contours of 10, 30, 50, 70 and 90% are drawn. Values less than 50% are dotted.

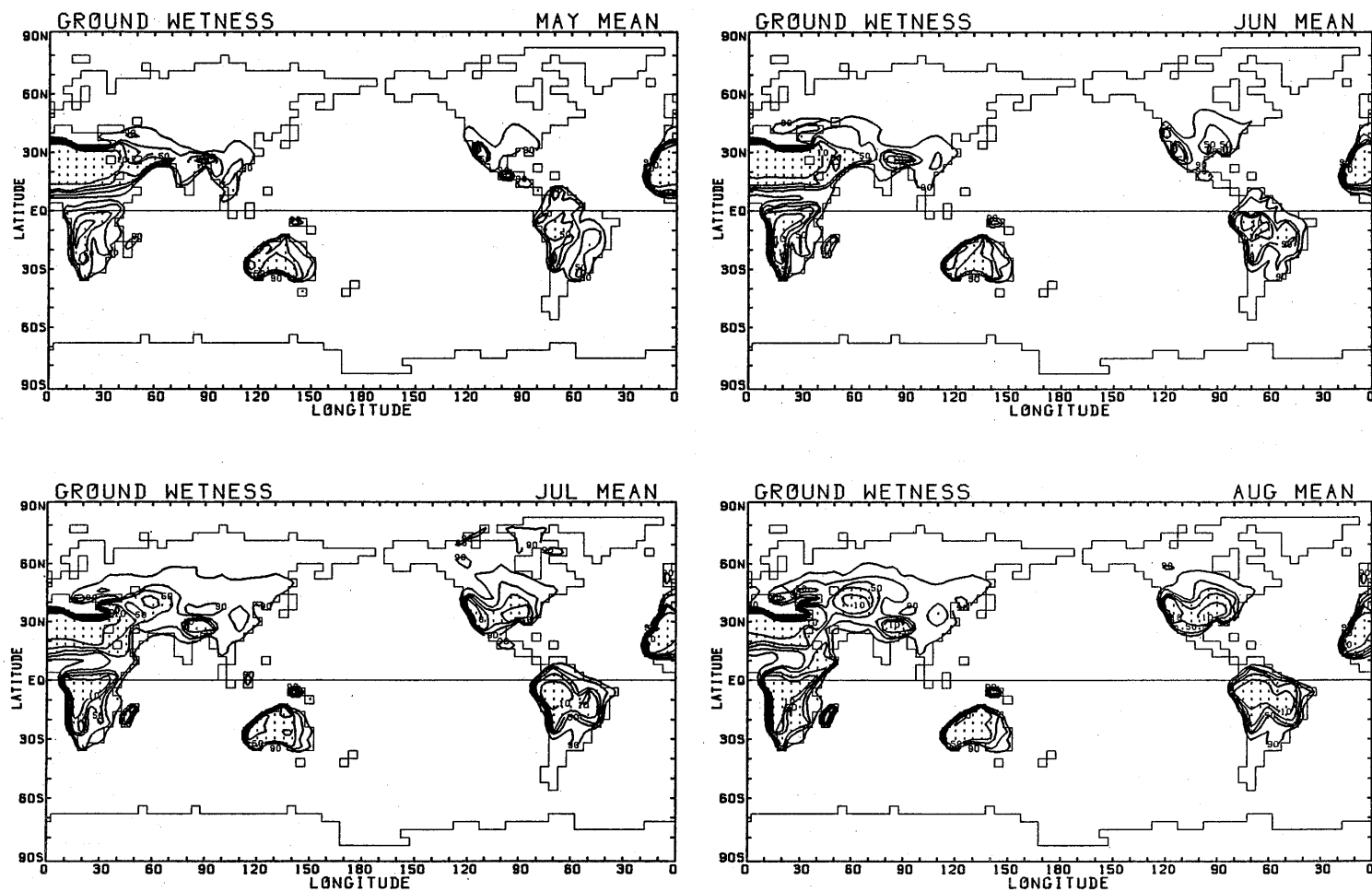


Fig. 1.15.2 Same as in Fig. 1.15.1 except for May, June, July and August.

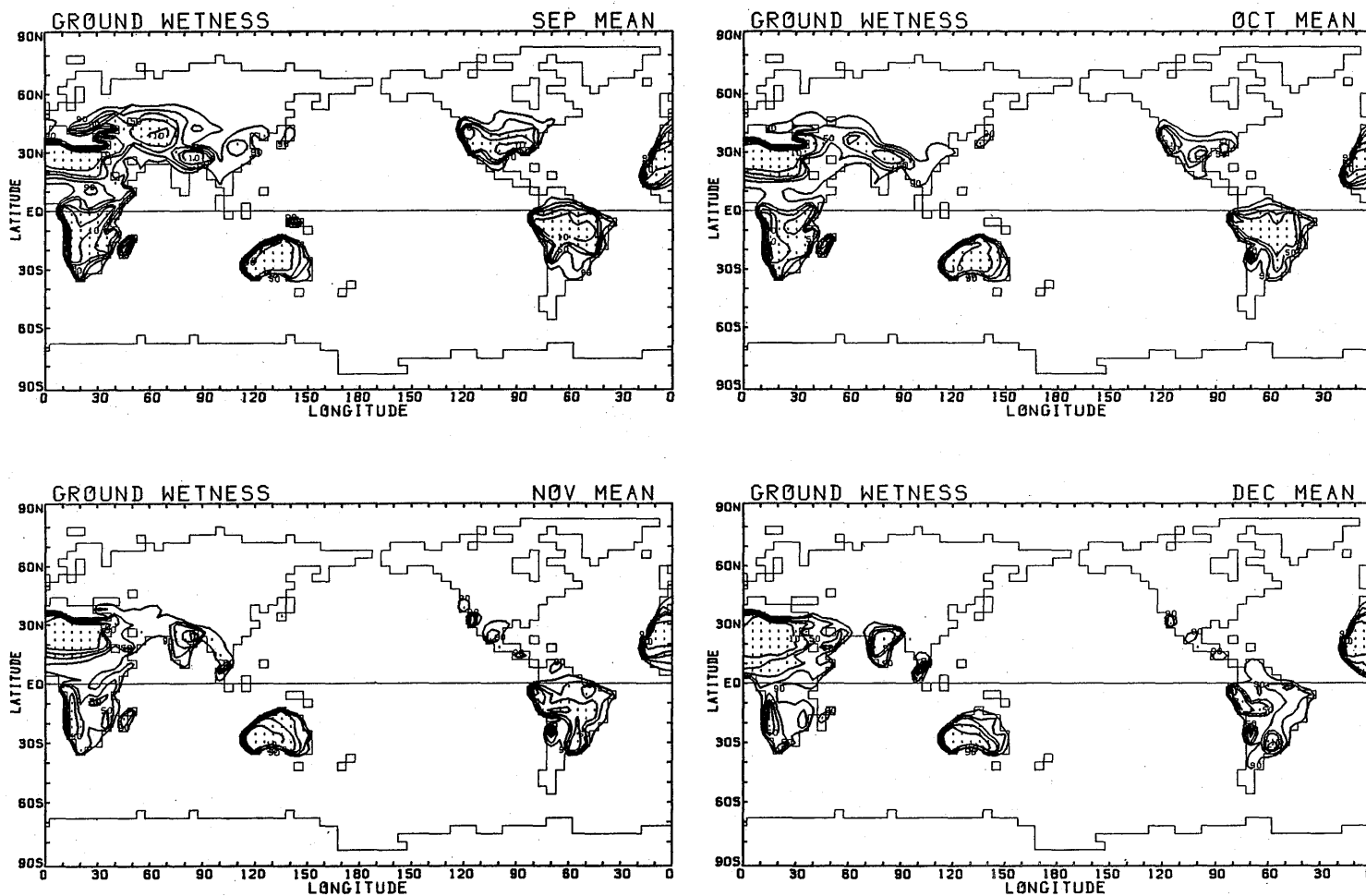


Fig. 1.15.3 Same as in Fig. 1.15.1 except for September, October, November and December.

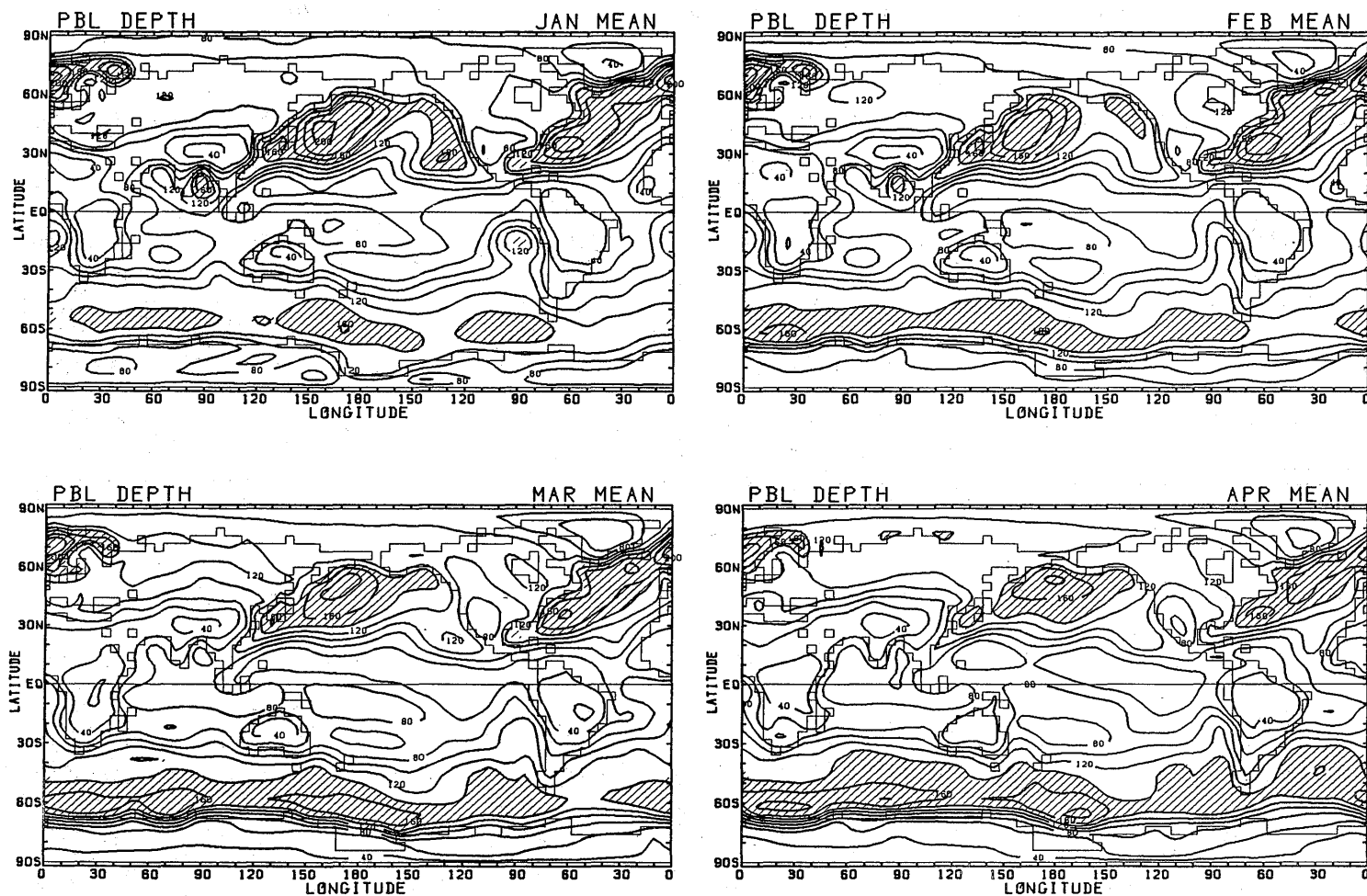


Fig. 1.16.1 Global distribution of monthly mean depth of the PBL for January, February, March and April. Contour interval is 20 mb. Values greater than 140 mb are shaded.

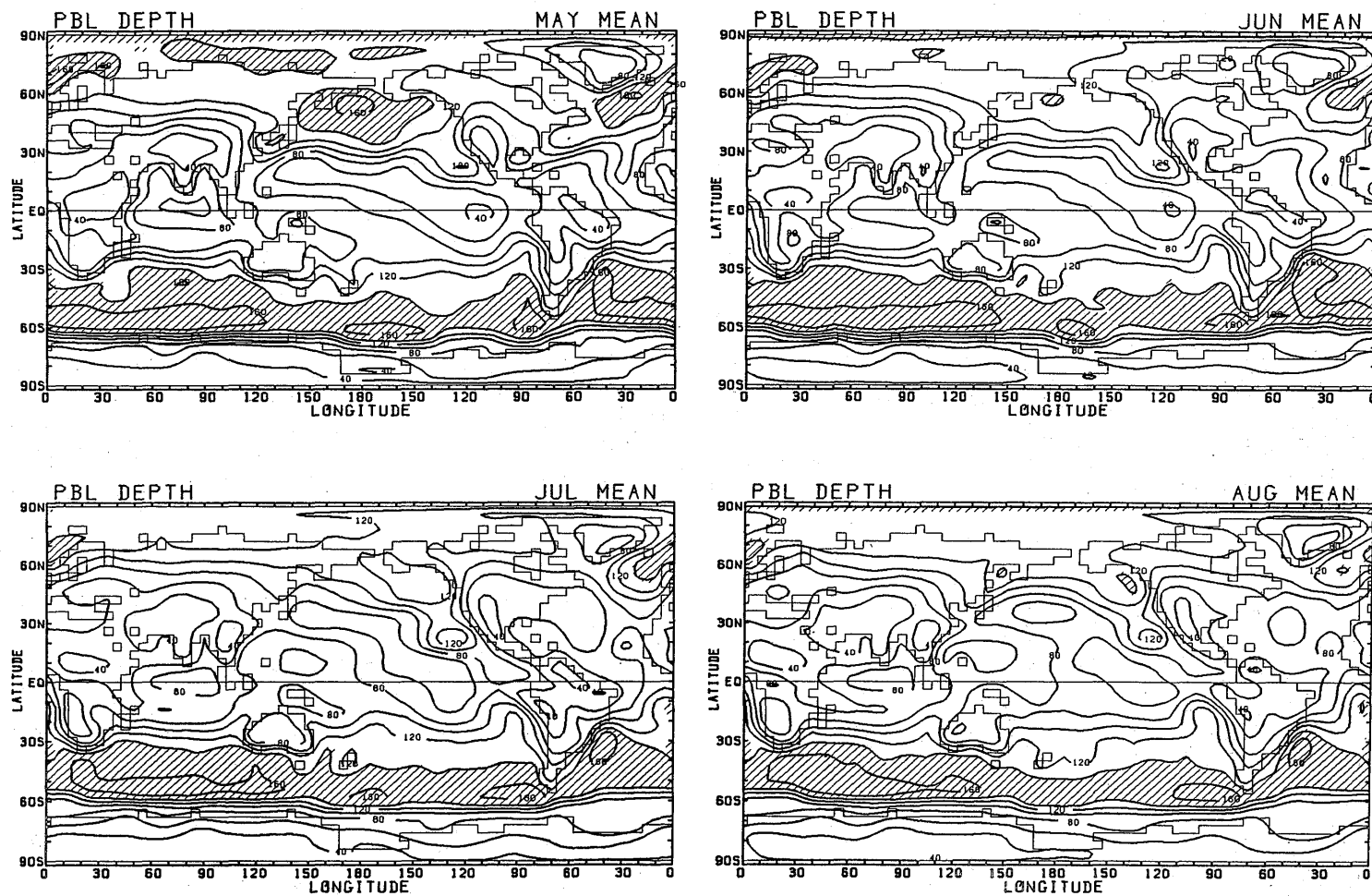


Fig. 1.16.2 Same as in Fig. 1.16.1 except for May, June, July and August.

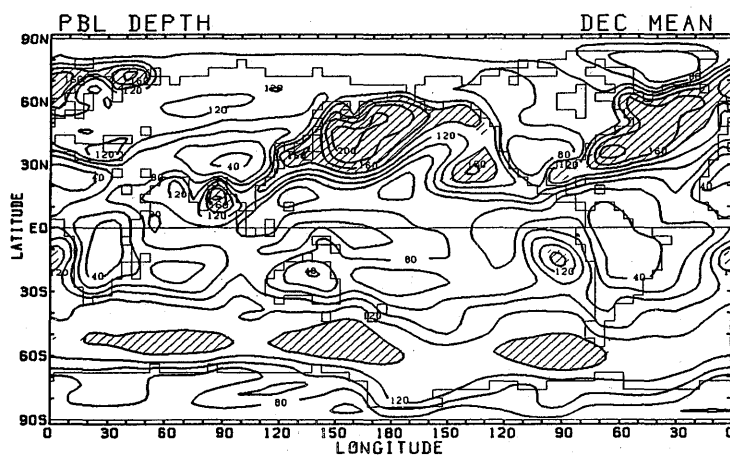
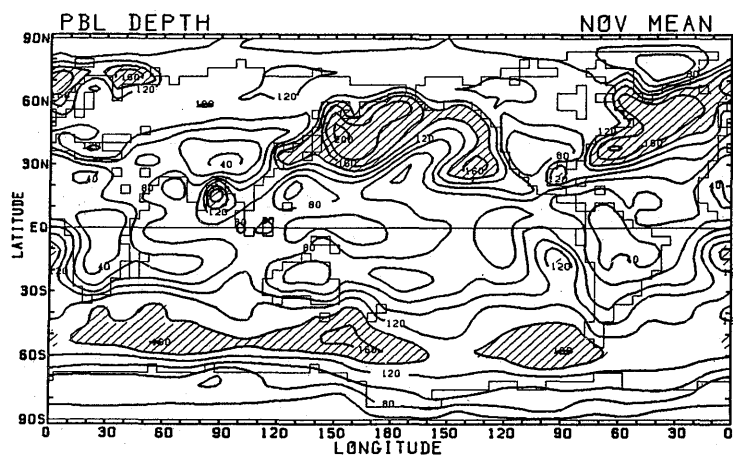
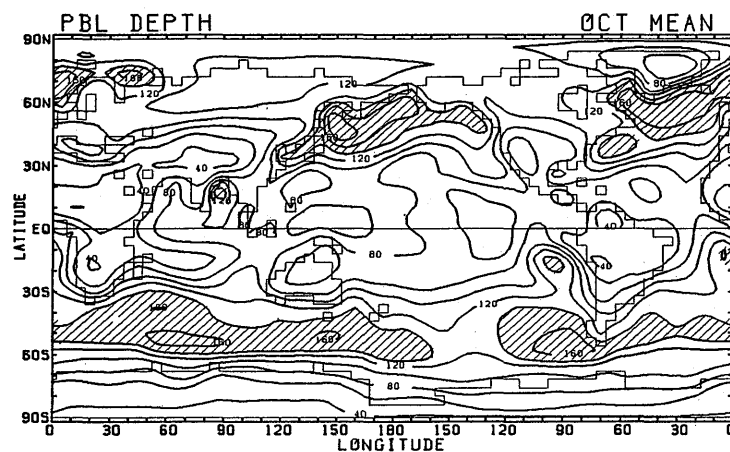
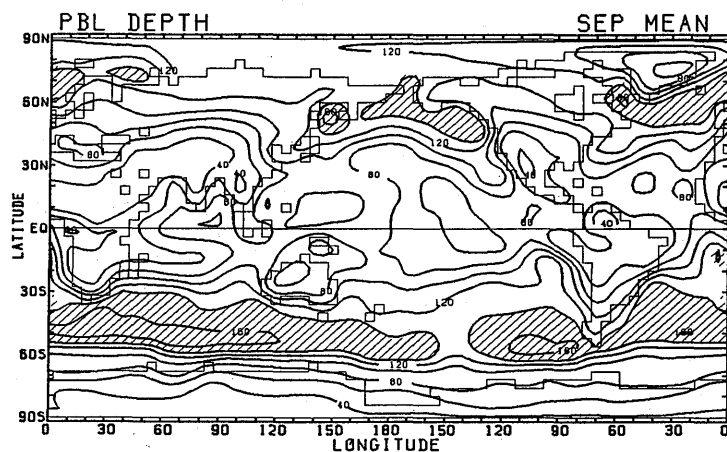


Fig. 1.16.3 Same as in Fig. 1.16.1 except for September, October, November and December.

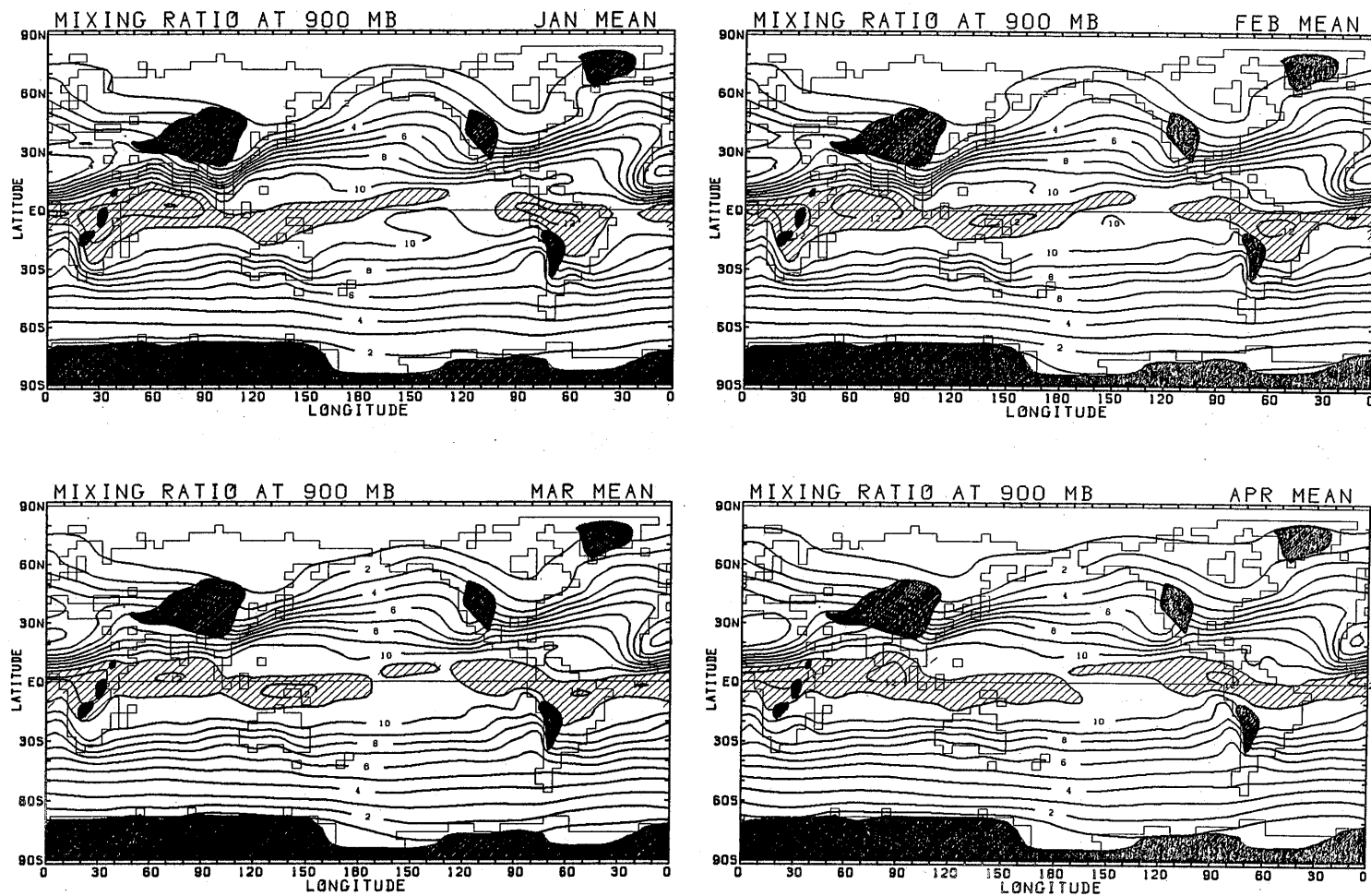


Fig. 1.17.1 Global distribution of monthly mean water vapor mixing ratio at 900 mb for January, February, March and April. Contour interval is 1 g kg⁻¹. Values greater than 11 g kg⁻¹ are shaded.

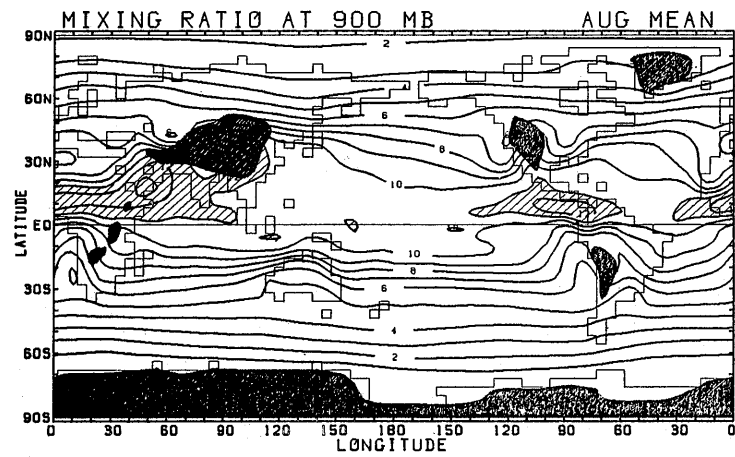
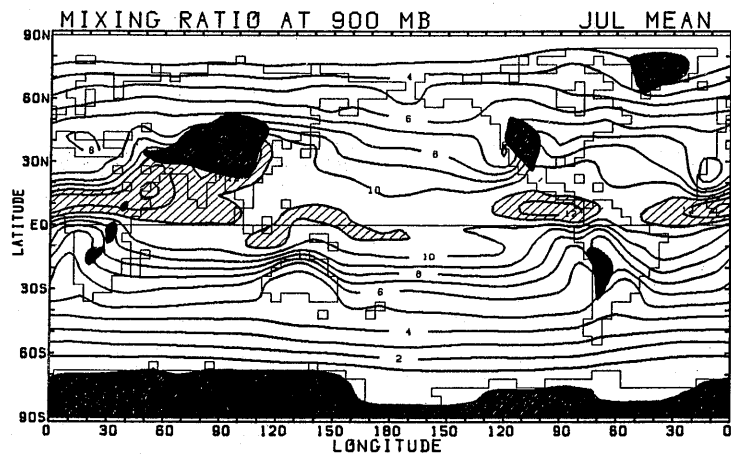
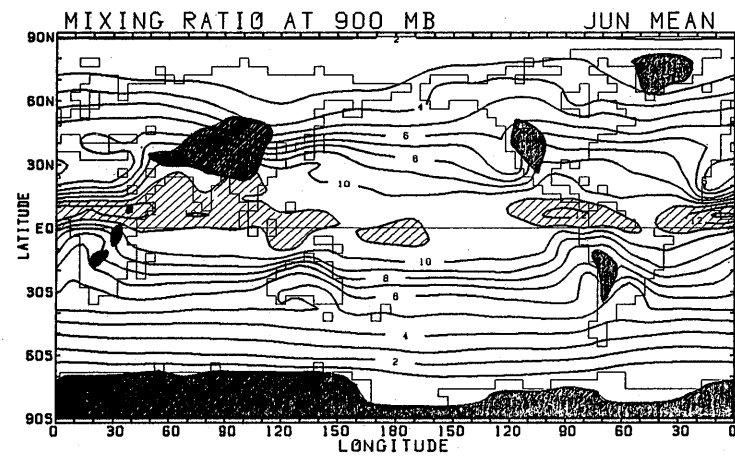
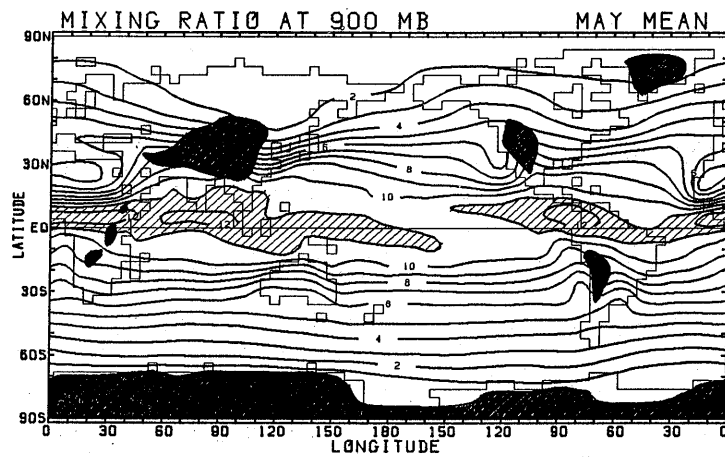


Fig. 1.17.2 Same as in Fig. 1.17.1 except for May, June, July and August.

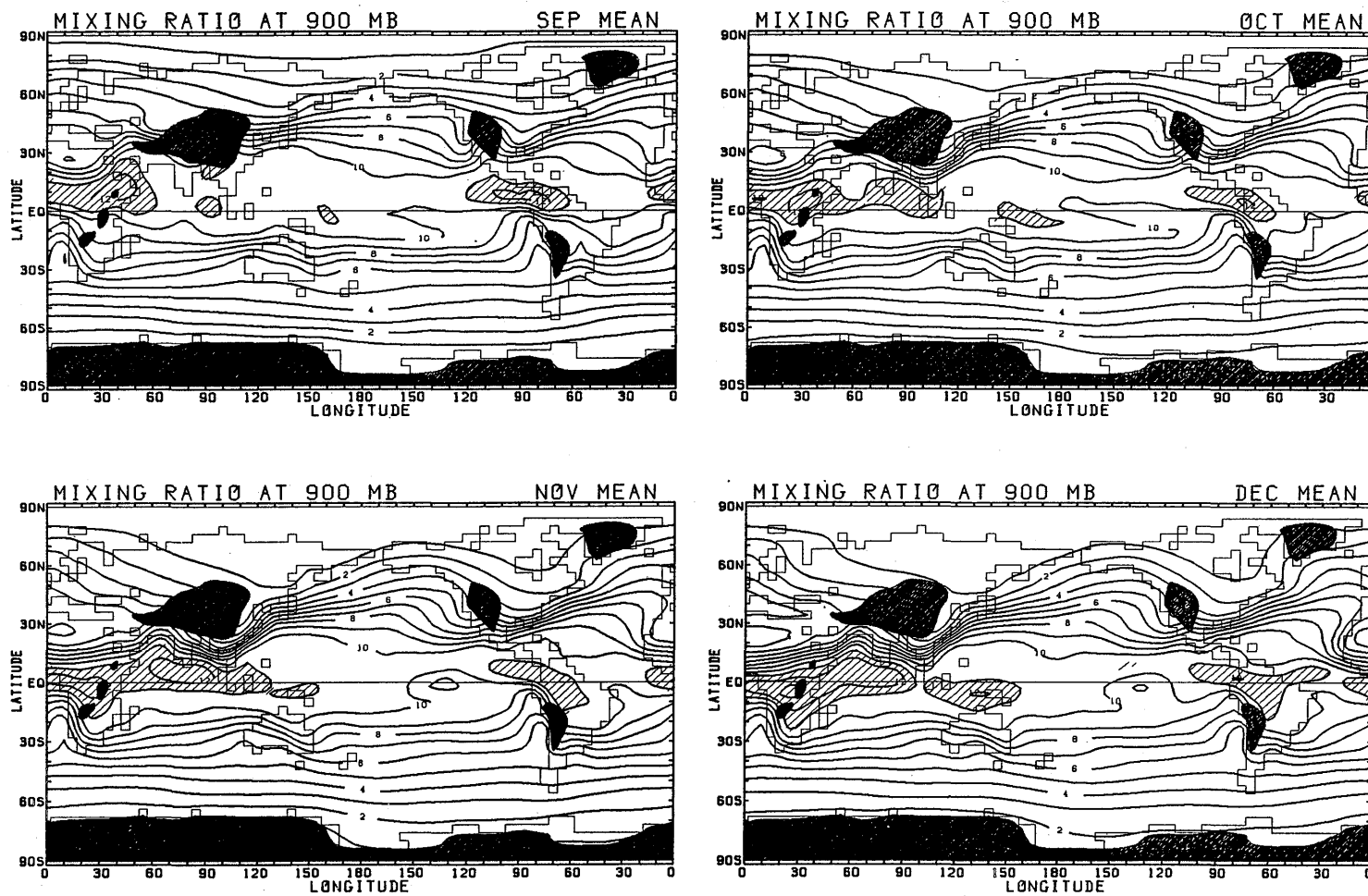


Fig. 1.17.3 Same as in Fig. 1.17.1 except for September, October, November and December.